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JUN 5 1924

LEE T. WARD CO.



Equipment
for
Contractors &
Constructionists

617-619 FILBERT STREET
PHILADELPHIA

WAREHOUSE IN PHILADELPHIA

Equipment

for

Contractors & Constructionists

CONCRETE MIXERS	DUMP WAGONS
KOEHRING PAVERS	ASH WAGONS
PLACING PLANTS	BLOCK AND BRICK
CRANES	MACHINES
BAR BENDERS AND CUTTERS	TRUCKRANES
SAW RIGS	AUTO CRANES
PUMPS	AGGREGATE METERS
HOISTS	ROAD, WALL AND SEWER FORMS
MORTAR MIXERS	SIDEWALK, CURB AND GUTTER FORMS
STEEL TOWERS	BAG CLEANERS, BUNDLERS
BUCKETS	HOISTS, STEAM, GASO- LINE, ELECTRIC
HOPPERS	WALL, COLUMN AND
DERRICKS	WIRE CLAMPS
MAST HOISTS	

LEE T. WARD CO.
617-619 FILBERT ST.
PHILADELPHIA

Bell--LOMBARD 9010

Keystone--MAIN 1955

Warehouse in Philadelphia

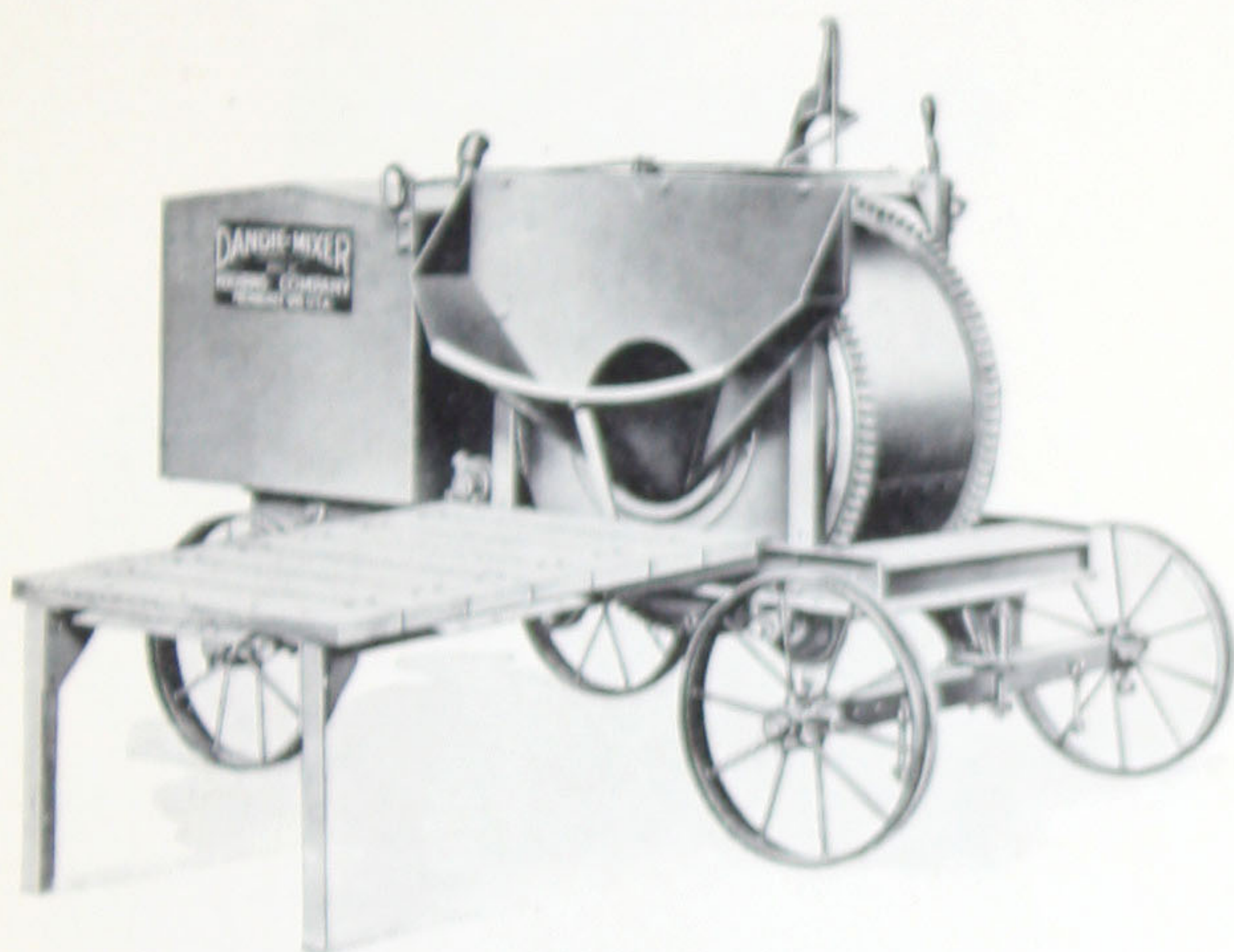


IN this quick reference catalog we have shown only a few numbers from each of the lines we carry. Complete catalogs for the various equipments will be gladly furnished upon request.

In our display rooms at 617-619 Filbert Street, we show a number of the articles illustrated, and our large warehouse in Philadelphia, and other distributing stations enables us to make very prompt shipment.

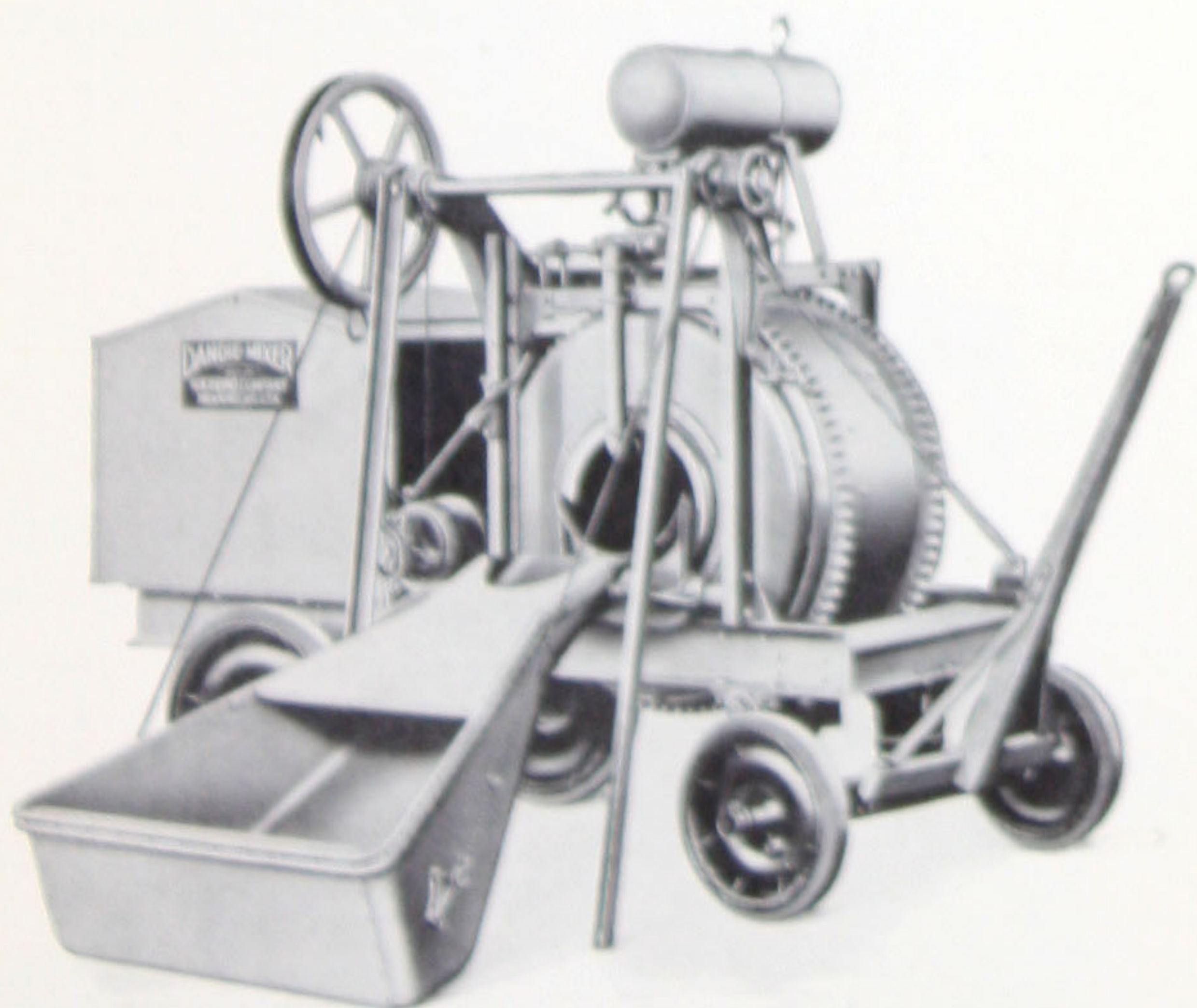
This organization is able to serve you well, not only because we carry lines of national reputation, but because every member of this organization, by reason of long experience in this business, is able to co-operate with you by suggesting the equipment that will most satisfactorily and economically meet your requirements.

KOEHRING COMPANY



Koehring Dandie Mixer With Low Changing Platform

Built either for 4 or 7 cubic feet of mixed material. Equipped with either Fuller and Johnson gasoline engine or two cylinder Le Roi engine.

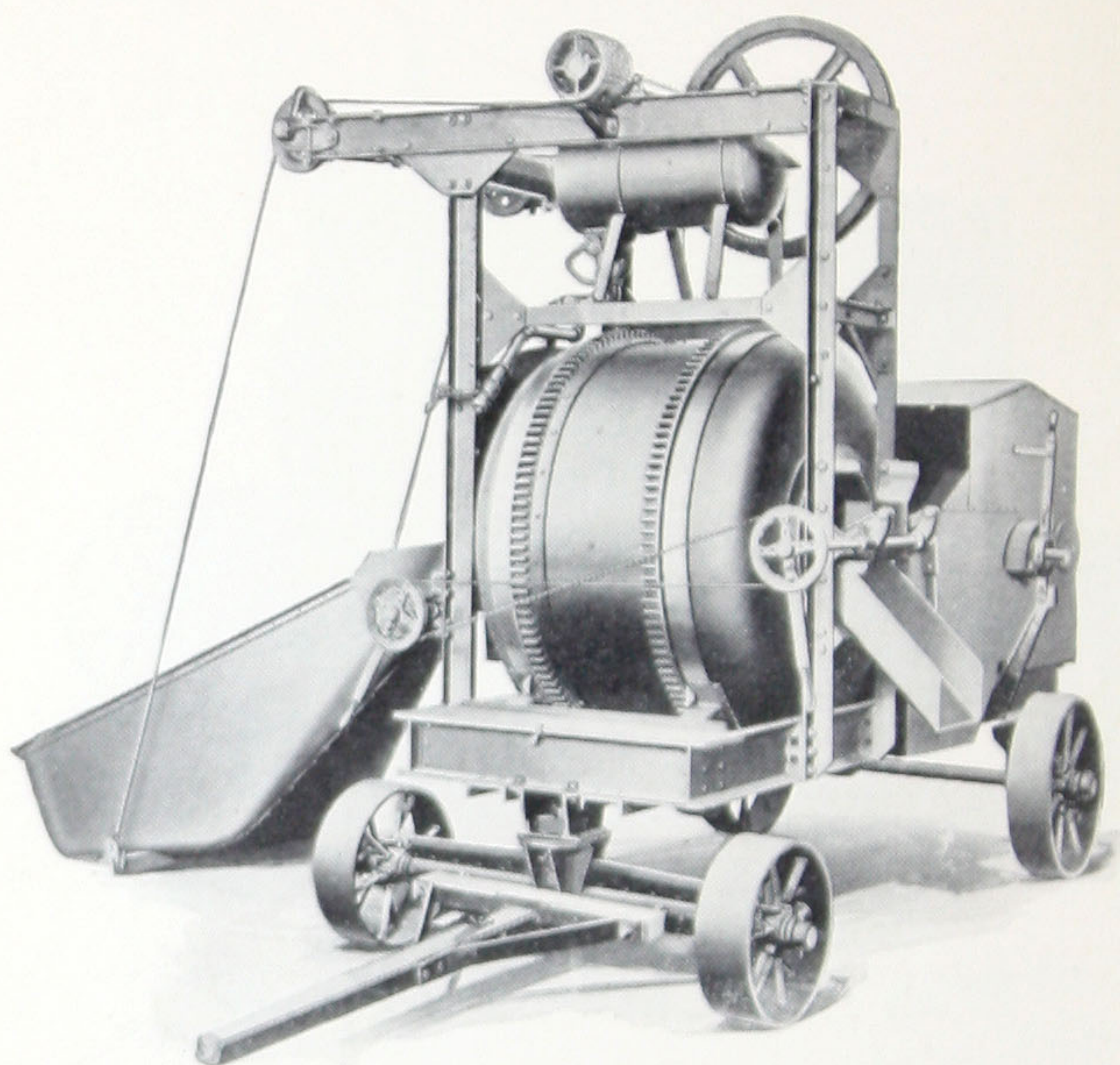


Koehring Dandie Mixer With Side Loader and Water Tank

Equipped with either 5 H. P. Fuller and Johnson gasoline engine or two cylinder Le Roi engine. Regularly furnished with steel wheels, but can be had with rubber tires, as illustrated above. Capacity, 10 cubic feet loose material, 7 cubic feet of mixed concrete.

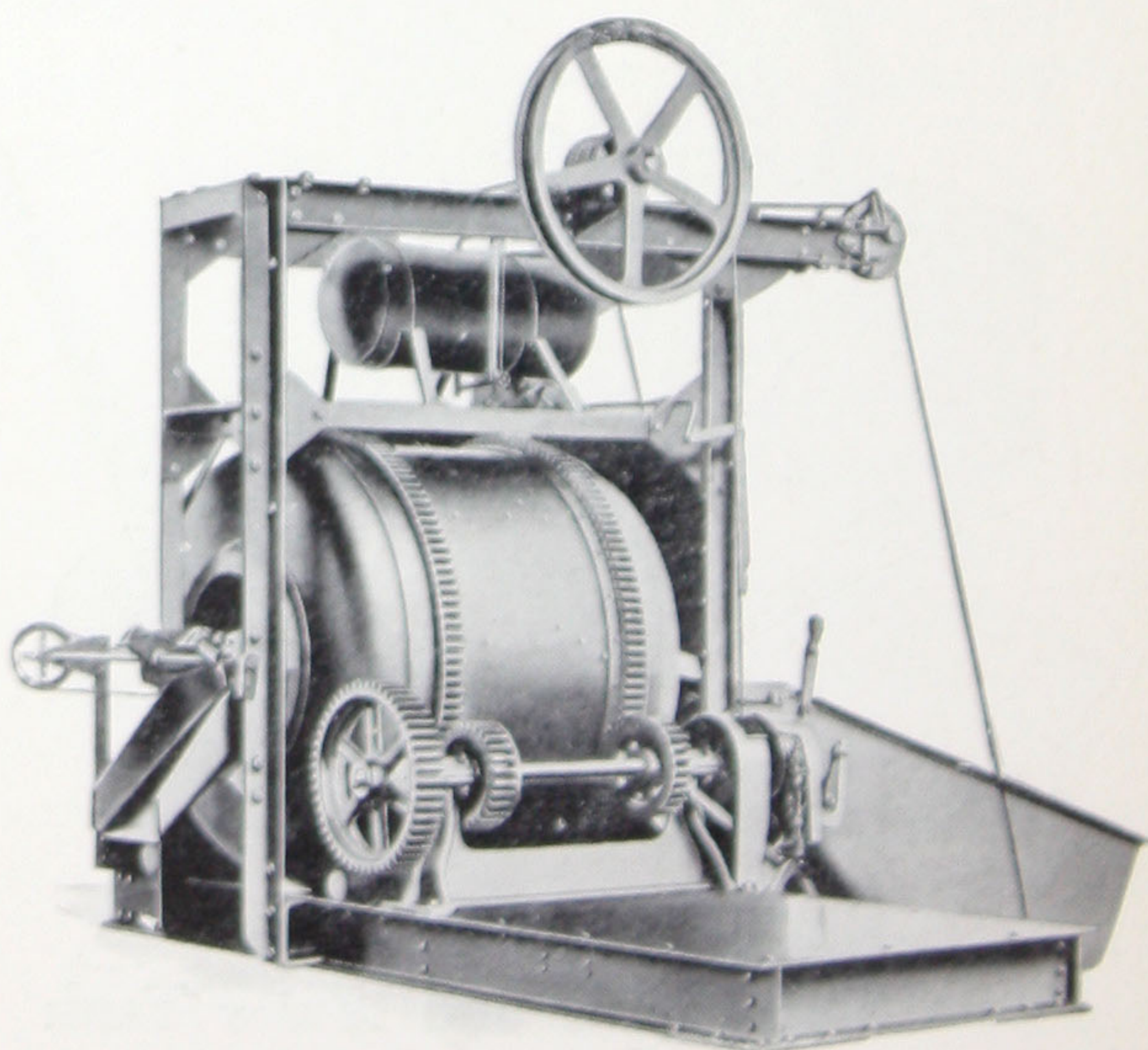
LEE T. WARD CO.

KOEHRING COMPANY



14 S. Heavy Duty Construction Mixer

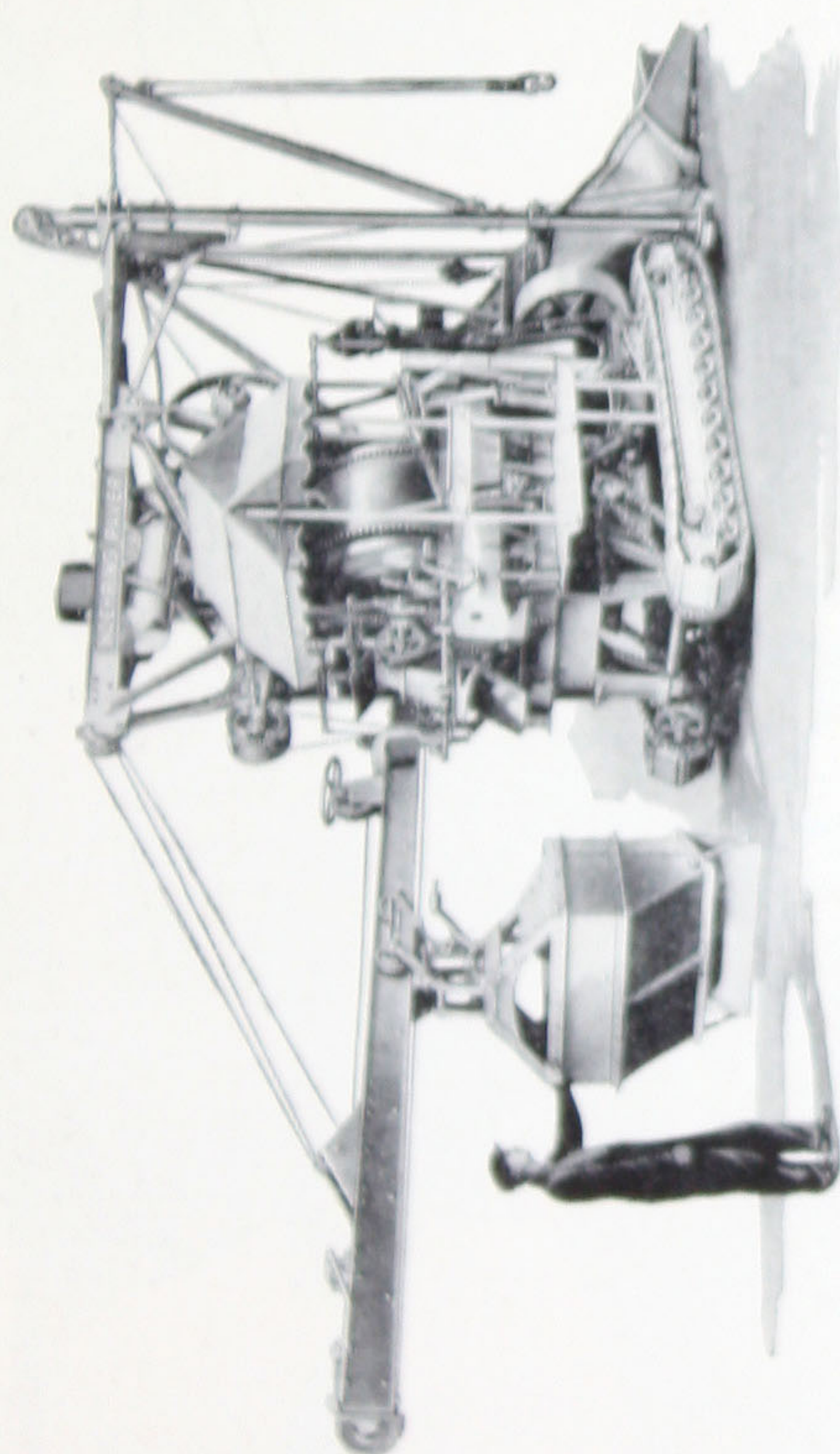
Equipped with side loader and water tank. Can be furnished with either four cylinder gasoline engine, electric motor or steam engine and boiler. Capacity, 21 cubic feet loose material, 14 cubic feet mixed concrete.



21 S. Heavy Duty Construction Mixer

Equipped with either side loader or batch hopper bin, four cylinder gasoline engine, electric motor or steam engine and boiler. Capacity, 21 cubic feet mixed concrete. 32 cubic feet unmixed material. Heavy Duty Construction Mixers made in the following sizes: 7 S, 10 S, 14 S, 21 S, 28 S.

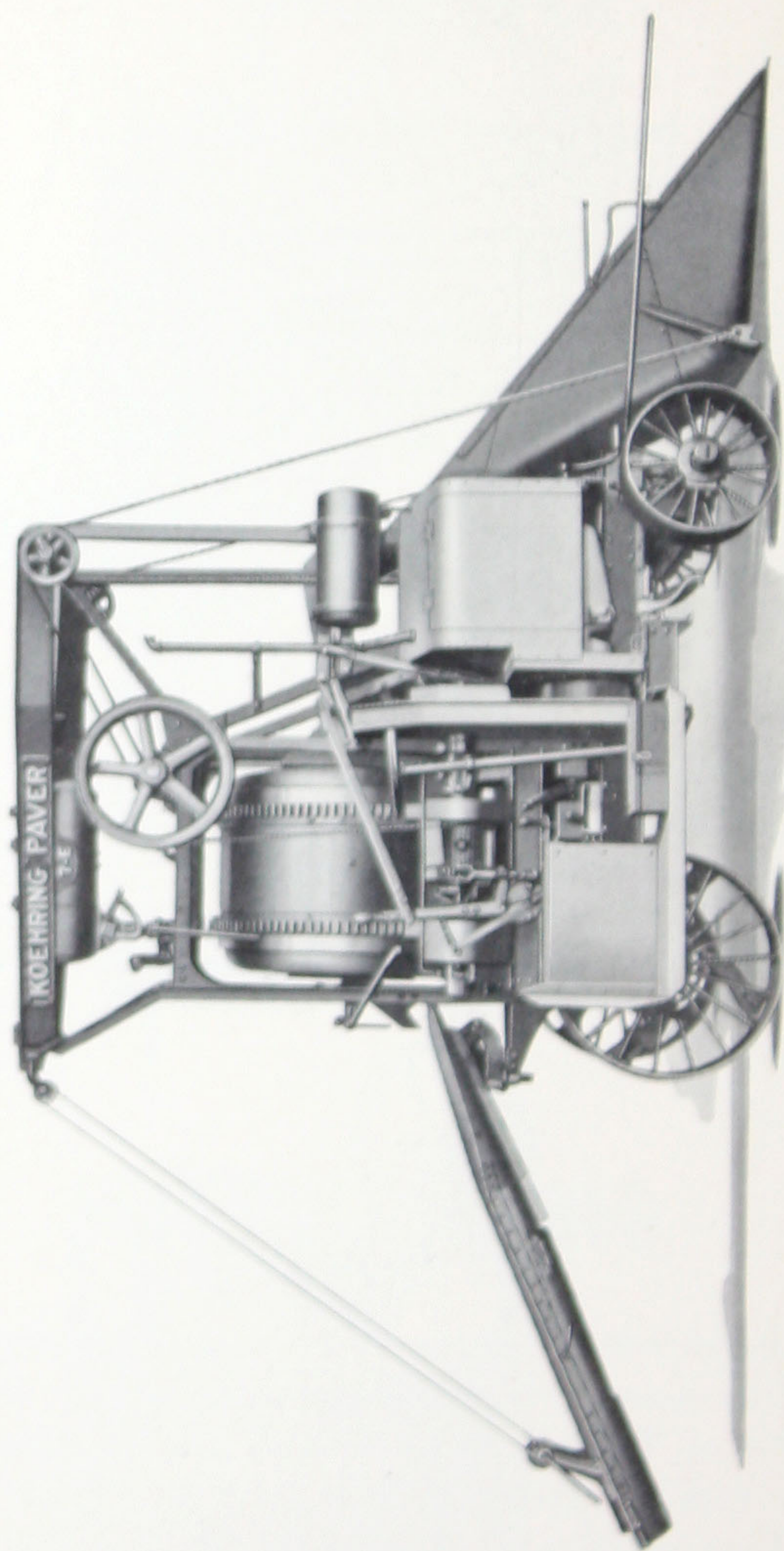
LEE T. WARD CO.



21 E. Paver

Equipped with either four cylinder gasoline engine, electric motor or steam engine and boiler. Half-length or full-length multiplane, rubber tires or road wheels. Either with or without derrick for handling batch boxes. Can be furnished with chute. Made in five sizes:

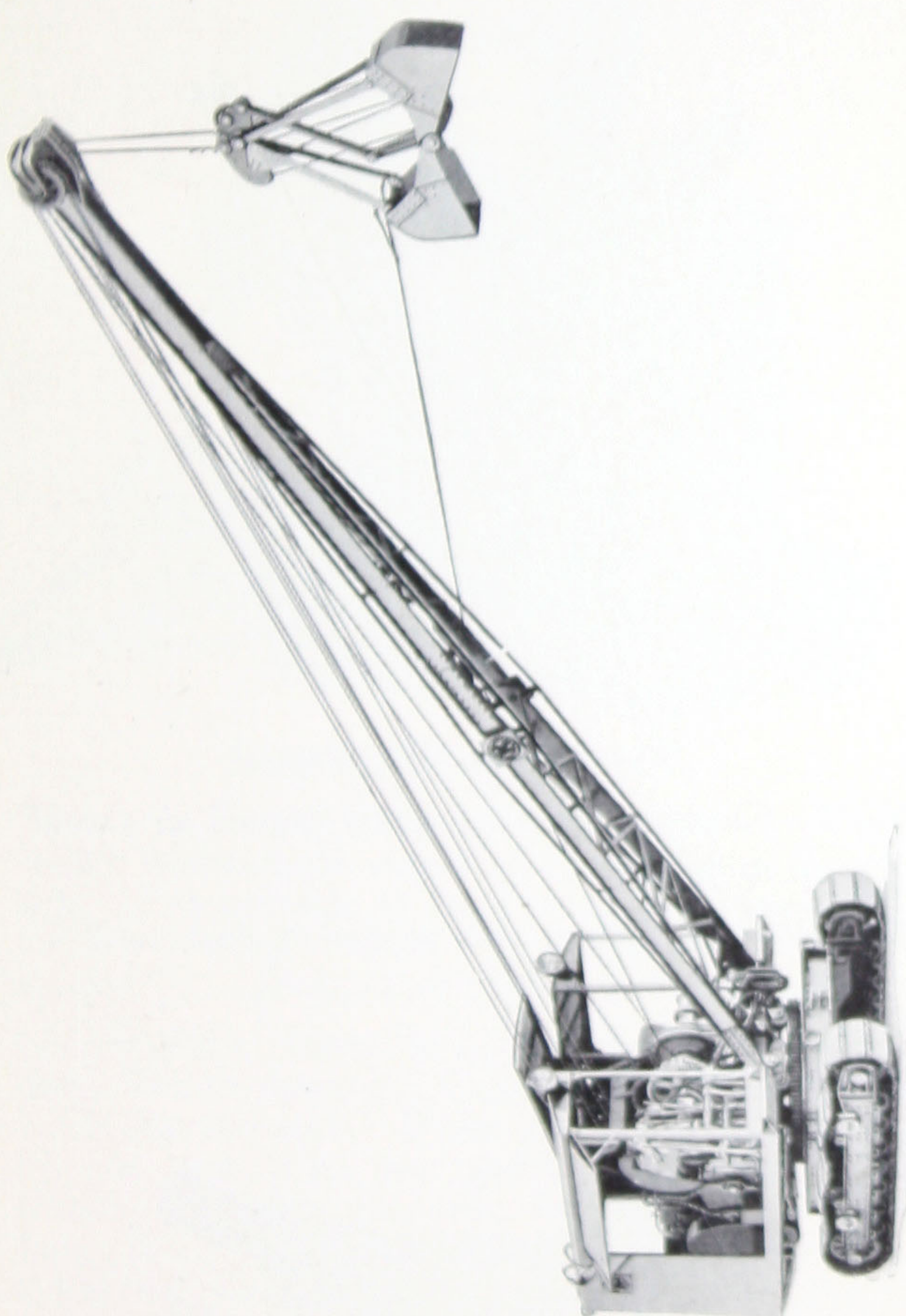
- 7 E—12 cubic feet capacity unmixed material
- 10 E—16 cubic feet capacity unmixed material
- 14 E—24 cubic feet capacity unmixed material
- 21 E—35 cubic feet capacity unmixed material
- 32 E—52 cubic feet capacity unmixed material



7 E. Paver

Equipped with chute. A great machine for narrow streets, alley paving, curbs and sidewalks. Furnished with a four cylinder gasoline engine as regular power. Forward and reverse traction—will turn in a very narrow space. May be furnished with rubber tires to facilitate moving.

KOEHRING COMPANY



Koehring Crane

Built in three sizes:

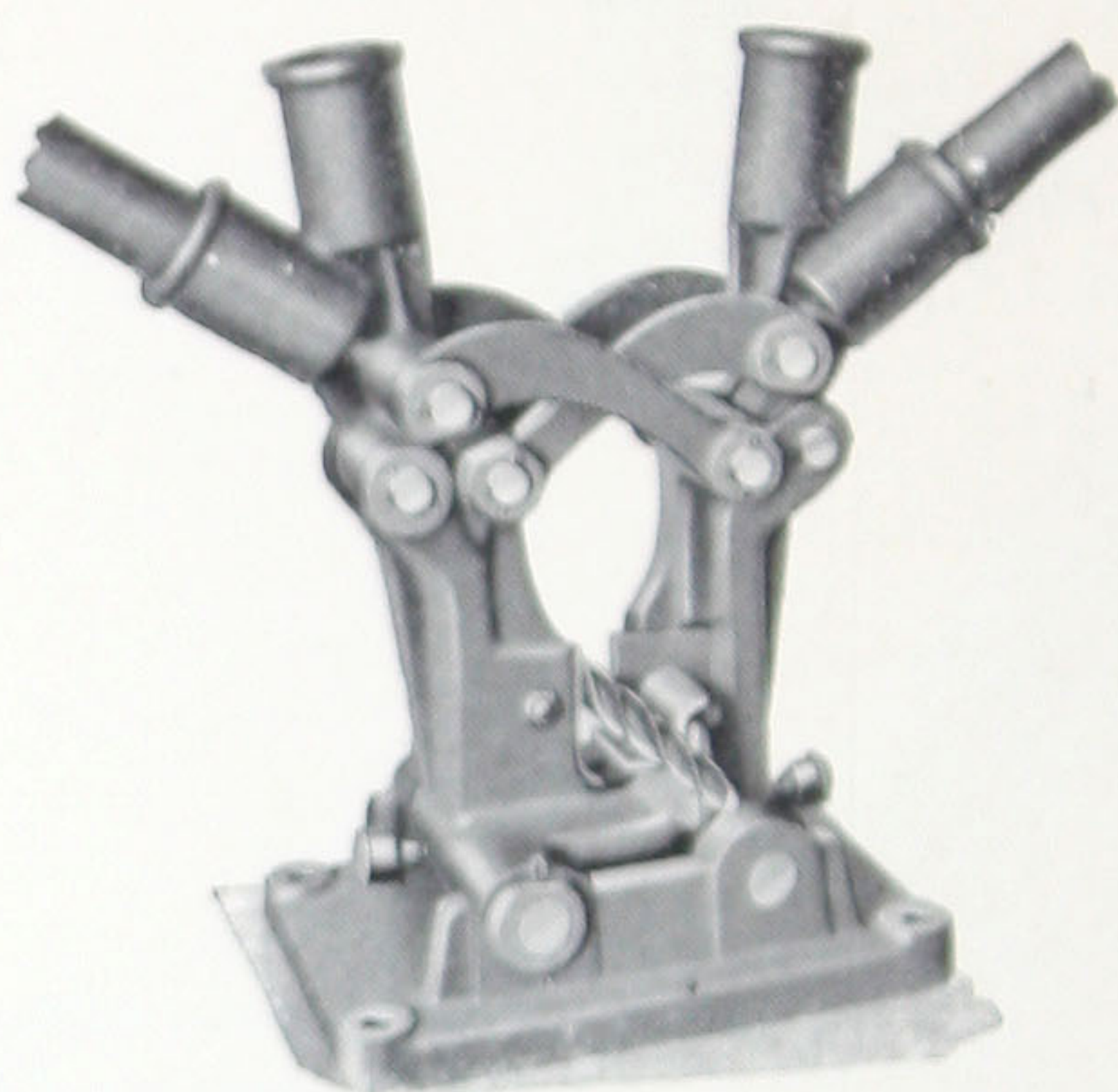
No. 1— 7,400 lbs. at 20-foot radius.

No. 2—12,000 lbs. at 20-foot radius.

No. 3—22,000 lbs. at 20-foot radius.

Gasoline power, full-length multiplane and with booms from 30 to 60 feet. Equipped with crane boom for either clam shell or drag line work or with shovel attachment. This is the fastest operating crane on the market.

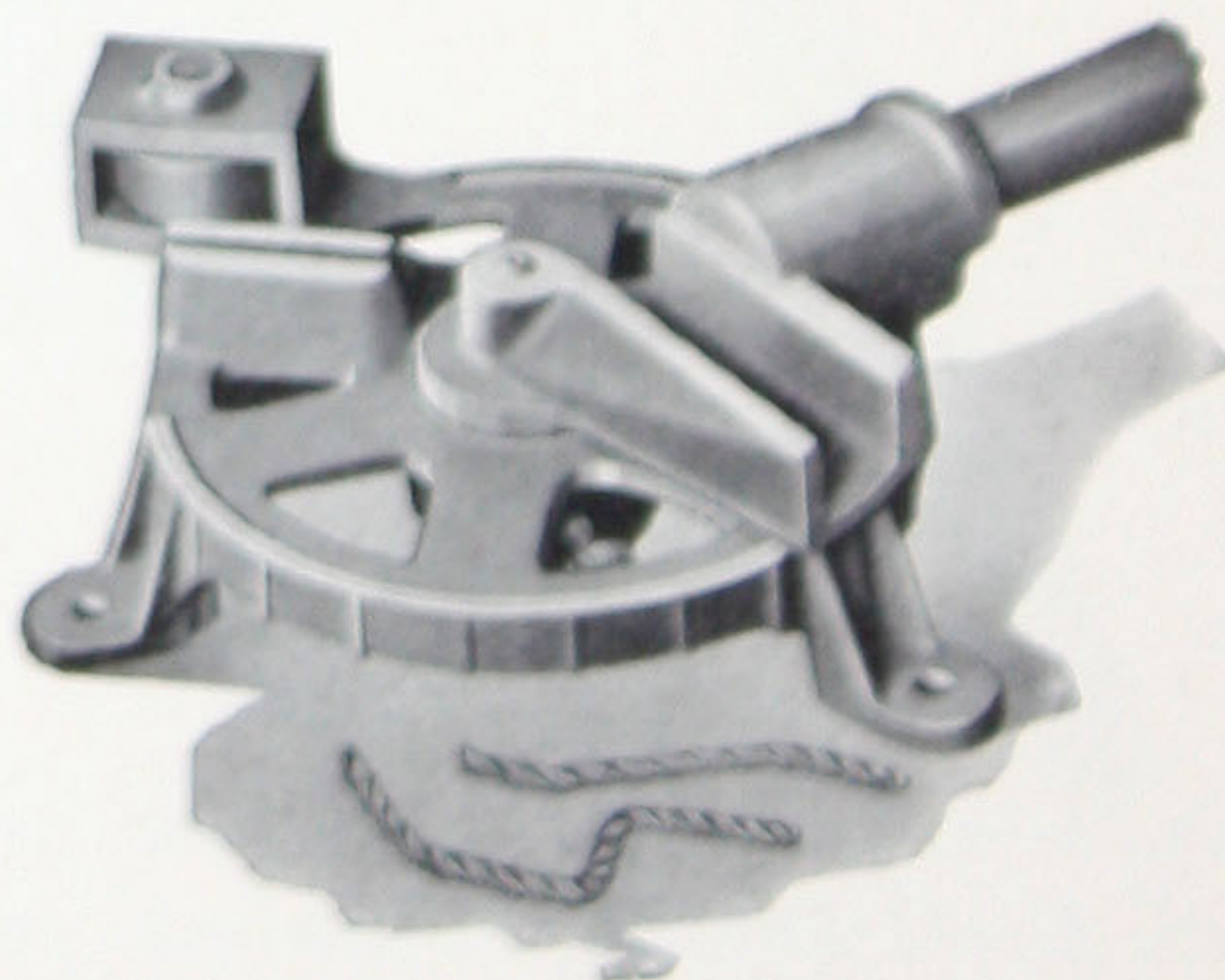
LEE T. WARD CO.



Bar Cutter

Furnished in two sizes:

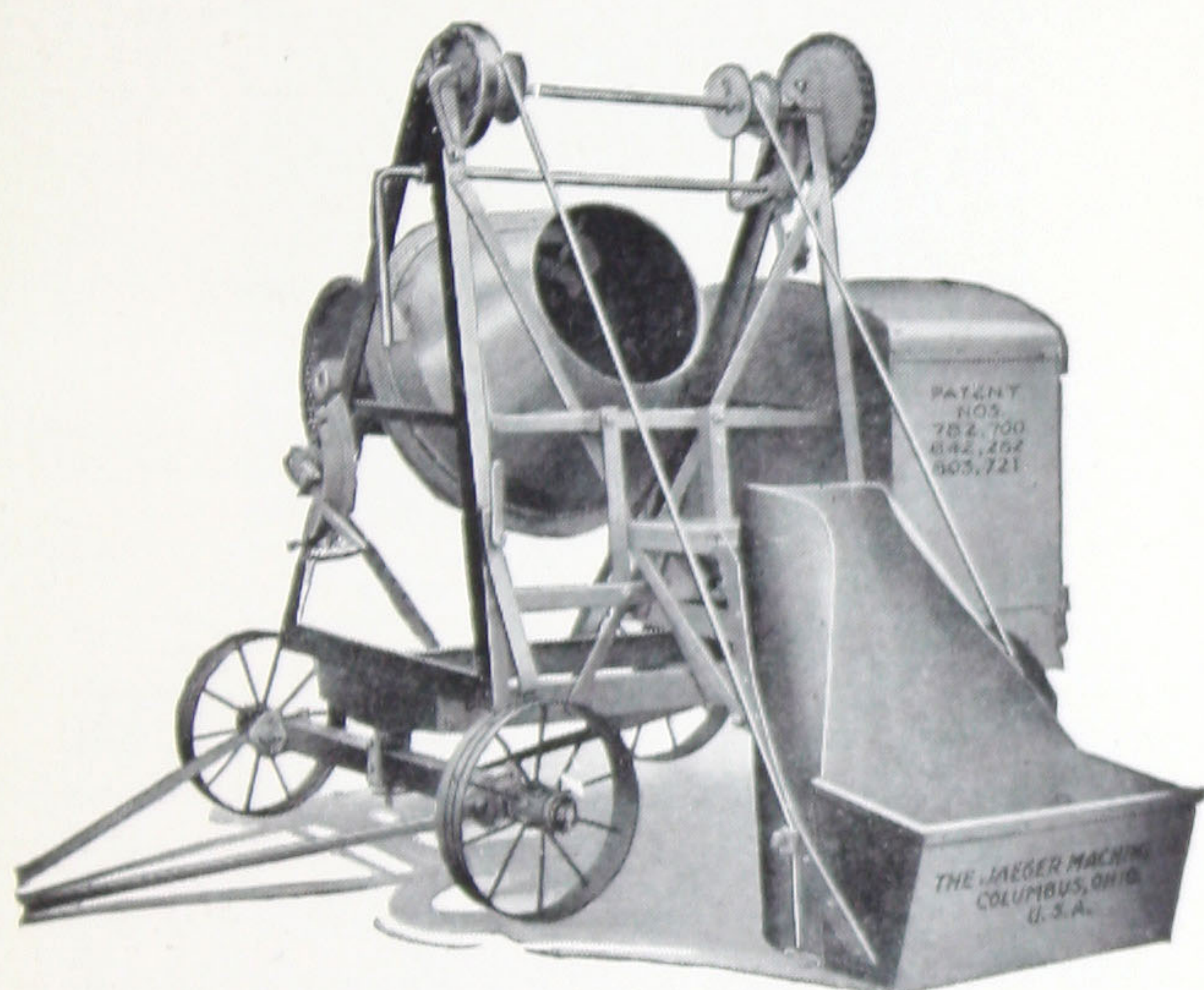
- No. 1—Shearing capacity, square twisted, or round up to $\frac{3}{4}$ -inch.
- No. 2-A—On square, and twisted $\frac{3}{4}$ -inch to $1\frac{1}{8}$ -inch. Round $\frac{3}{4}$ -inch to $1\frac{1}{4}$ -inch.



Bar Bender

- No. 5—Bending capacity square and twisted up to 1 inch. Round up to $1\frac{1}{4}$ -inch.
- No. 6-A—Square and twisted up to $1\frac{1}{4}$ -inch. Round up to $1\frac{1}{2}$ -inch.

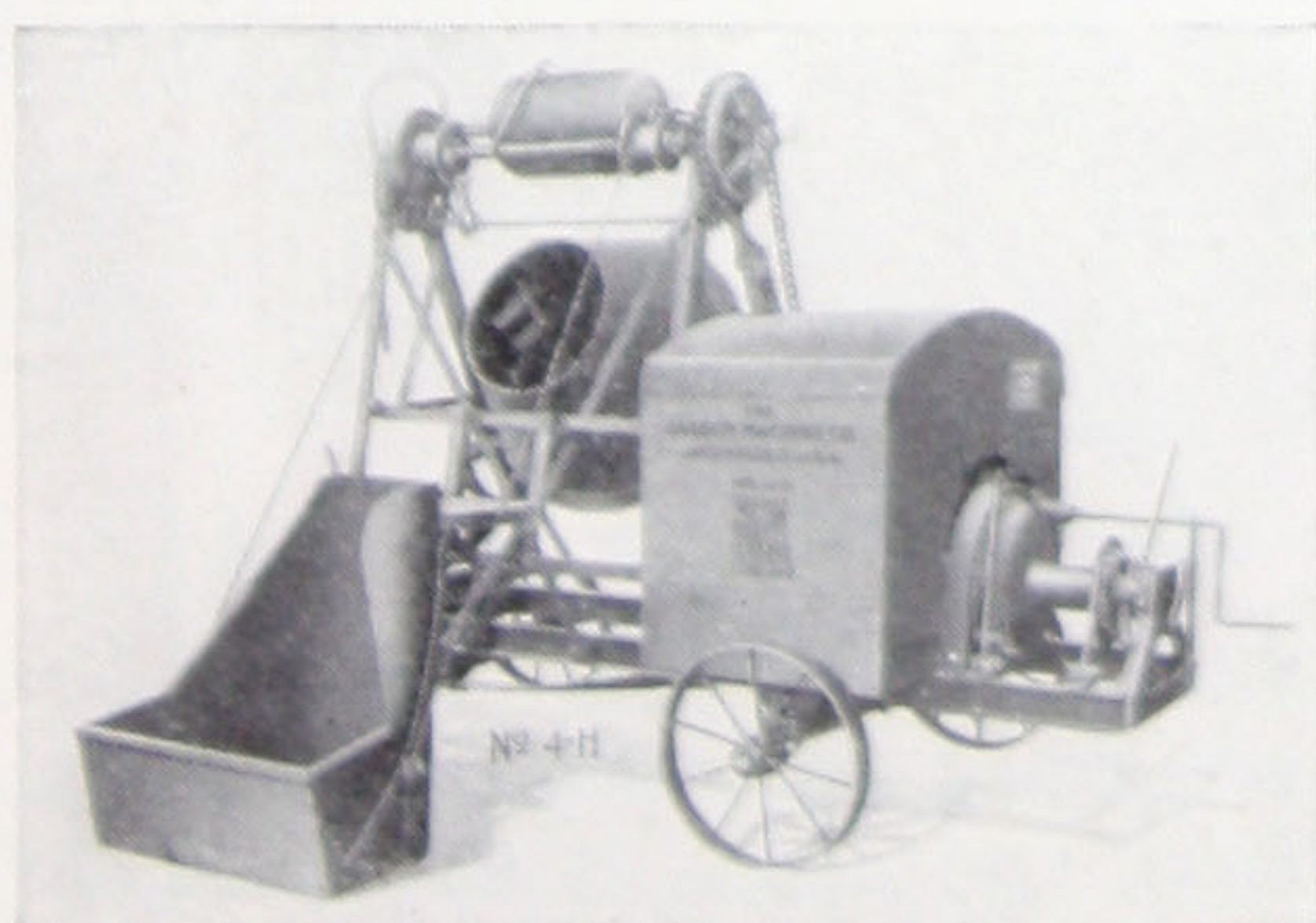
JAEGER MACHINE CO.



Jaeger Mixer No. 4-L

This is the Jaeger Mixer with power loader. This loader increases the output of a mixer 50 to 75 per cent. Ten seconds to hoist load into drum, 40 seconds to mix, 10 seconds to discharge—"a mix a minute."

Specifications: Drum, 34 inches diameter, 30 inches deep, 20-inch opening. Capacity, 7 cubic feet per batch dry materials. Mixer and loader controlled by one man from one position. Trucks: rear wheels, 24 inches diameter; steel axle, 58 inches long; front wheels, 20 inches diameter. Weight, 2,400 lbs. Code, "Better."

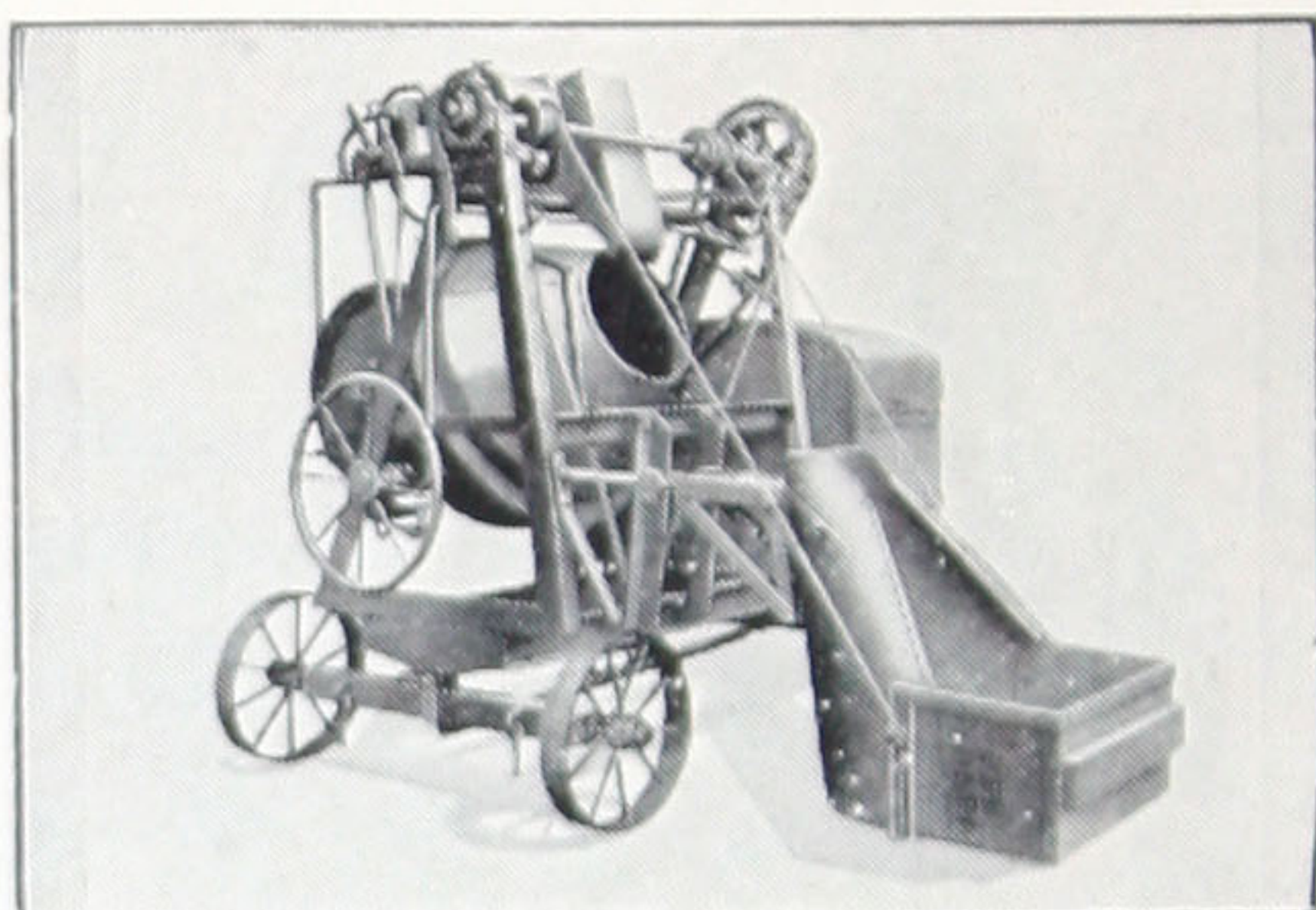


Jaeger Mixer No. 4-H

Same as No. 4-L, except that it has a hoist and an engine of 5 H. P. instead of 3 H. P.—a complete mixing and hoisting plant. This is the mixing and hoisting plant used with No. 4-S Placing Plant. Weight, 3,250 lbs. Code, "Bind."

LEE T. WARD CO.

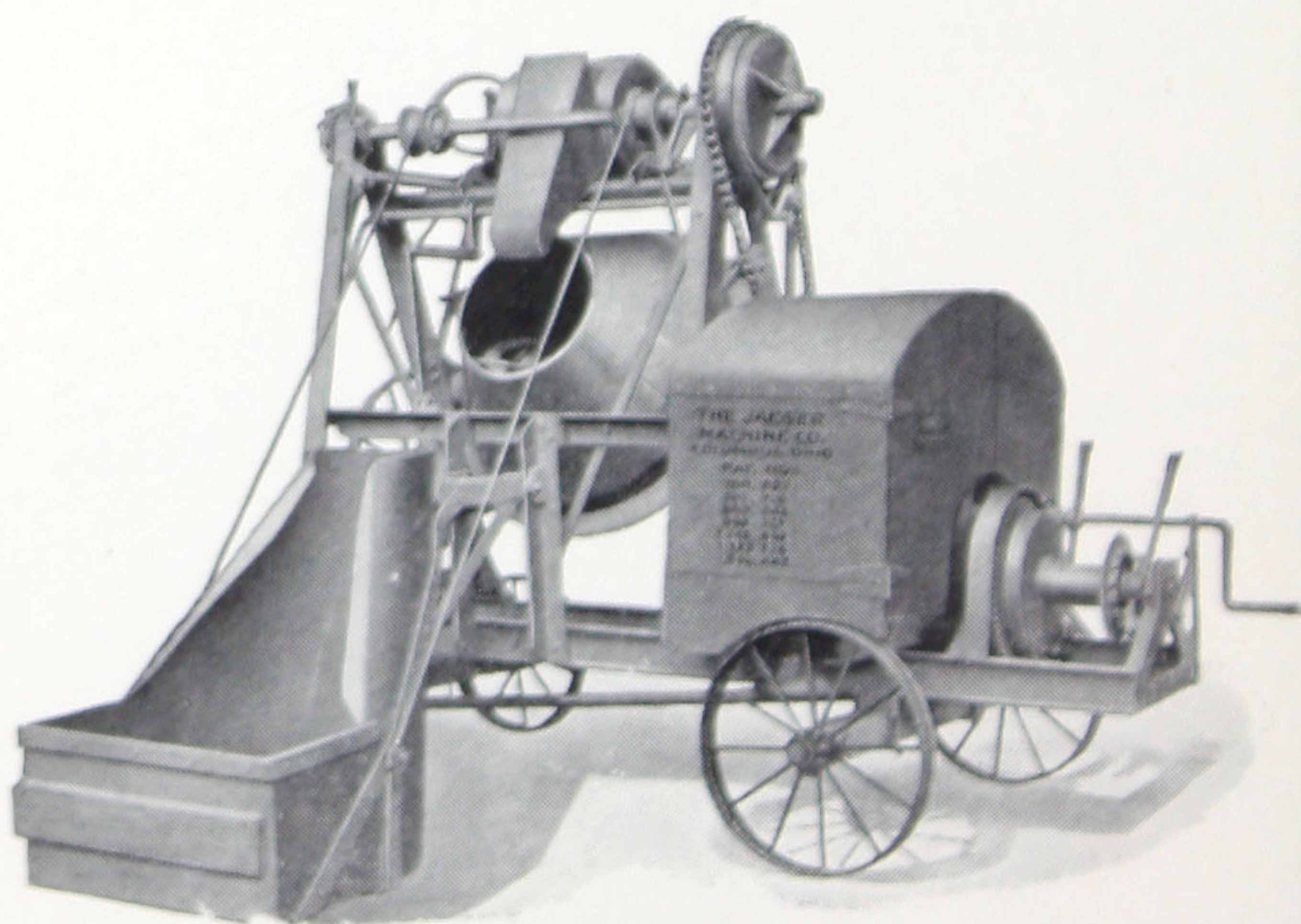
JAEGER MACHINE CO.



Jaeger Mixer No. 7-L

No job too big for this Jaeger Big Mixer. Operating expense, upkeep and depreciation less on this outfit than on any other make of similar size.

Specifications: Drum, 42 inches diameter, 36 inches deep, 21-inch opening. Capacity, 12 cubic feet dry material. Loader skip, 18-inch x 36-inch x 48-inch. Size over all, 5 feet x 10 feet. Engine, 5 H. P. Trucks: front wheels, 24 inches diameter; rear wheels, 28 inches diameter. Tank for water supply. Weight, 4,125 lbs. Code, "Daily."



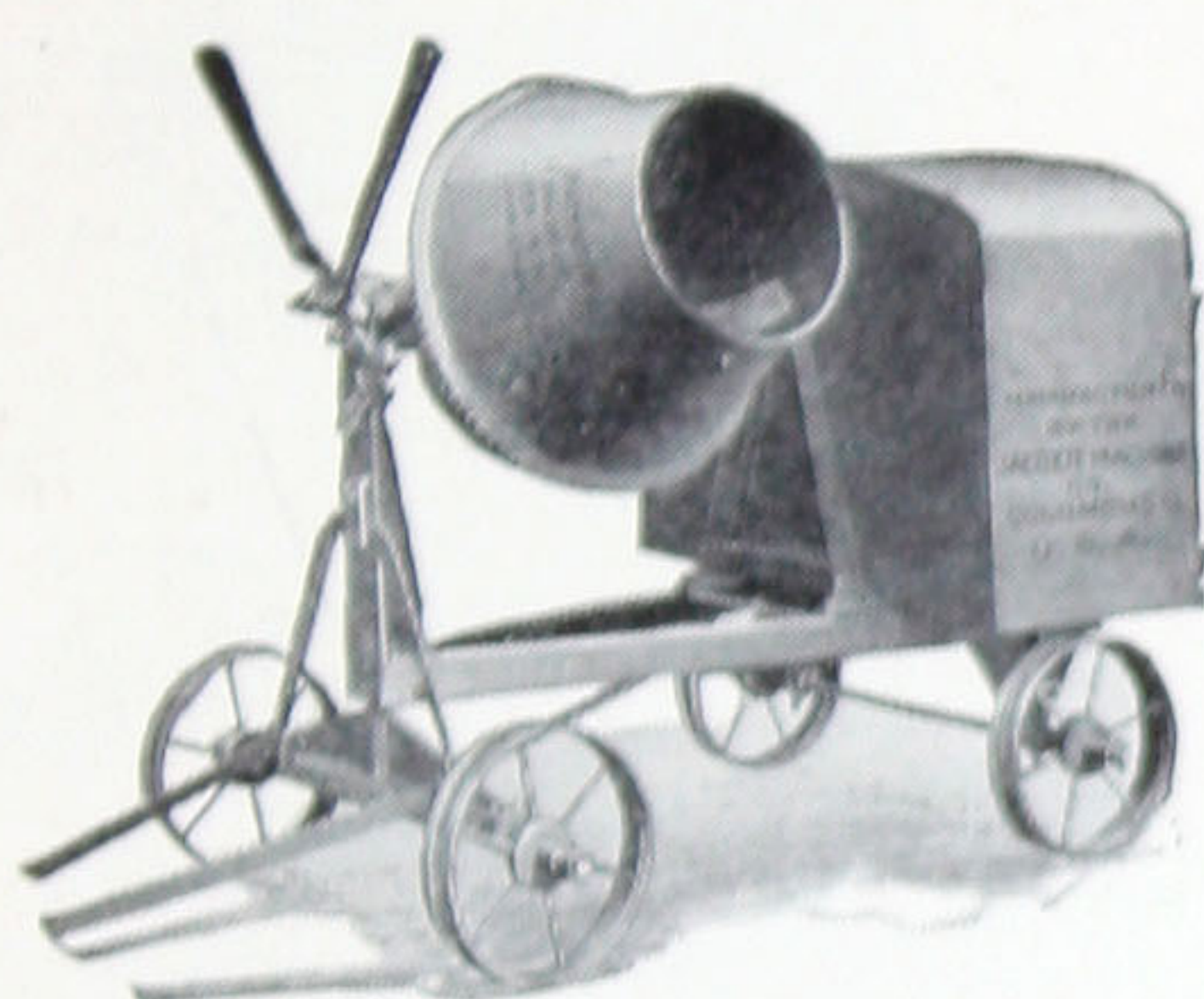
Jaeger Mixer No. 7-H

Same as No. 7-L, except that it has a hoist attached and larger engine. A complete, large-capacity mixing and hoisting plant. Used with Jaeger 7-S Placing Plant.

Specifications: Same as 7-L, except it has a hoist. Hoist drum, 5 inches diameter, 9 inches long. It takes a 300-foot $\frac{3}{8}$ -inch cable. Capacity, 1,000 lbs. at 80 feet per minute, or 2,000 lbs. over double block. Engine, 8 H. P., 6-inch bore, 9-inch stroke. Magneto equipped. Weight, 4,840 lbs. Code, "Dare."

LEE T. WARD CO.

JAEGER MACHINE CO.

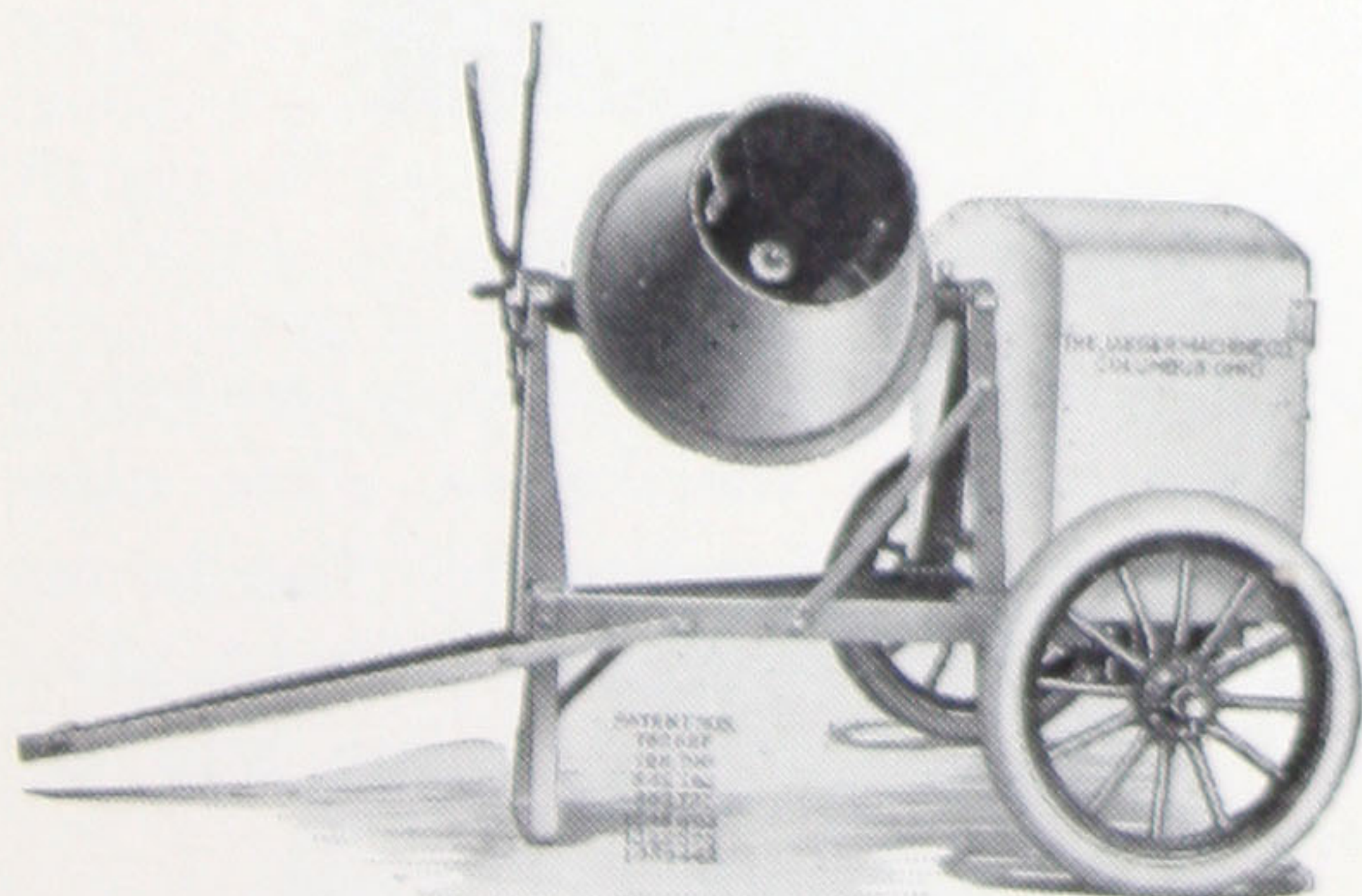


Jaeger Mixer No. 3-E

Just the mixer for foundations, sidewalks, tanks, road patching, etc. Drum capacity, 3 to 4 cubic feet.

Specifications: Size over all, 3 feet 6 inches by 5 feet 6 inches. Height to charge, 40 inches. Drum, 28 inches diameter; opening, 17 inches; depth, 28 inches. Engine, 2 H. P., hopper cooled. Wheels, 17 inches diameter. Saves \$3 to \$10 a day over hand mixing. Weight, 1,000 lbs. Code, "Add."

Also furnished in 4-E size. Same specifications as 4-H on drum capacity.

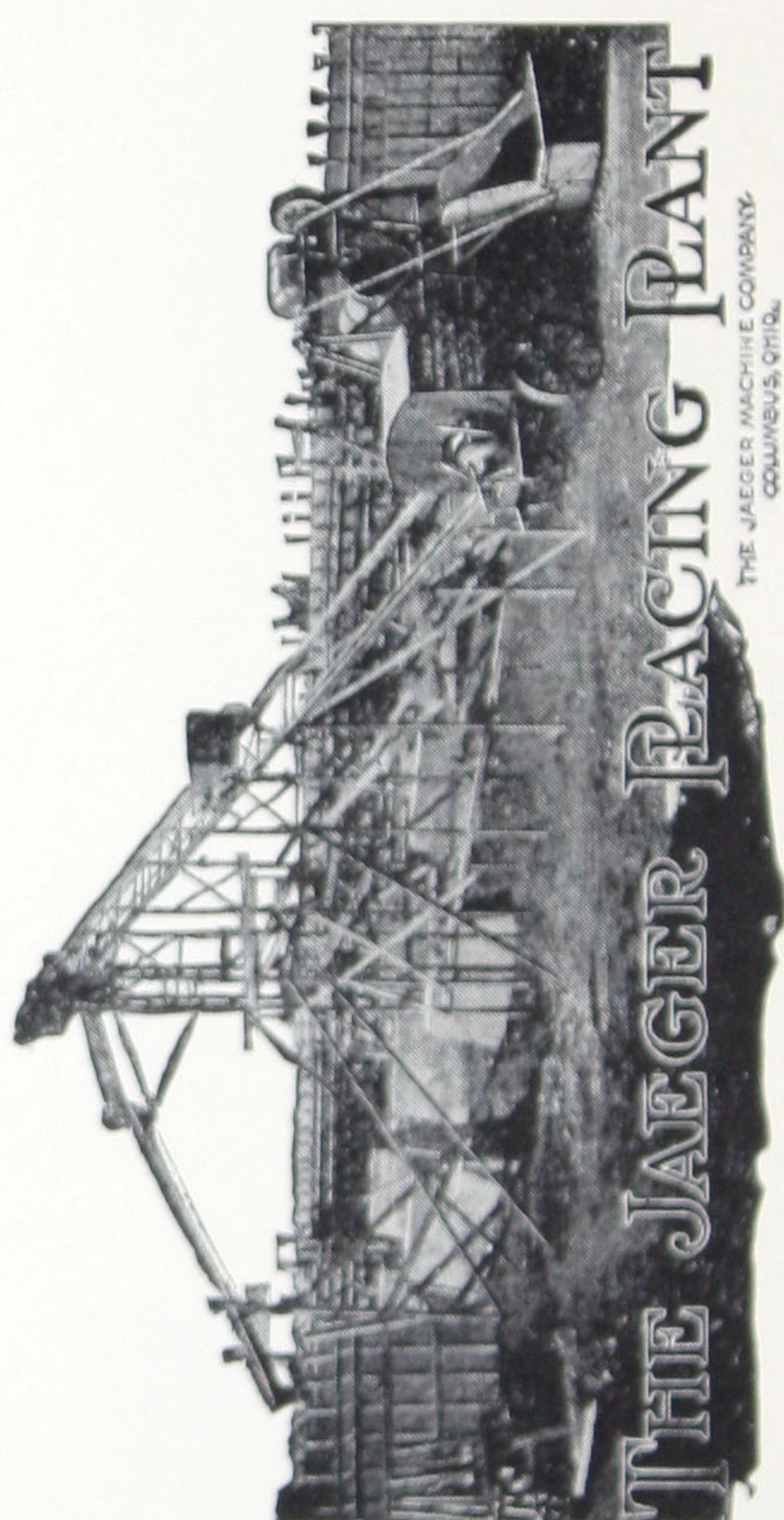


Jaeger Trailer-Mixer

Same as regular 3-E—designed for trailer use. In place of front wheels is a foot or support to hold the machine level while mixing. In the rear, automobile wheels with pneumatic tires give *extreme portability*. When ready to move, the contractor simply loads his equipment into his truck, attaches his Trailer-Mixer and "steps on the gas." Speed, quick get-away—bigger mixing profits—these you can count on with this fast-moving, fast-mixing outfit.

LEE T. WARD CO.

JAEGER MACHINE CO.



Jaeger Placing Plant

Eliminates all possible labor in placing concrete in forms on such work as foundations, piers, abutments, slabs, floors, roofs, arches, etc. Can be put up and taken down in less time than needed to place wheelbarrow runs. Power to operate skip car taken from hoist on mixer.

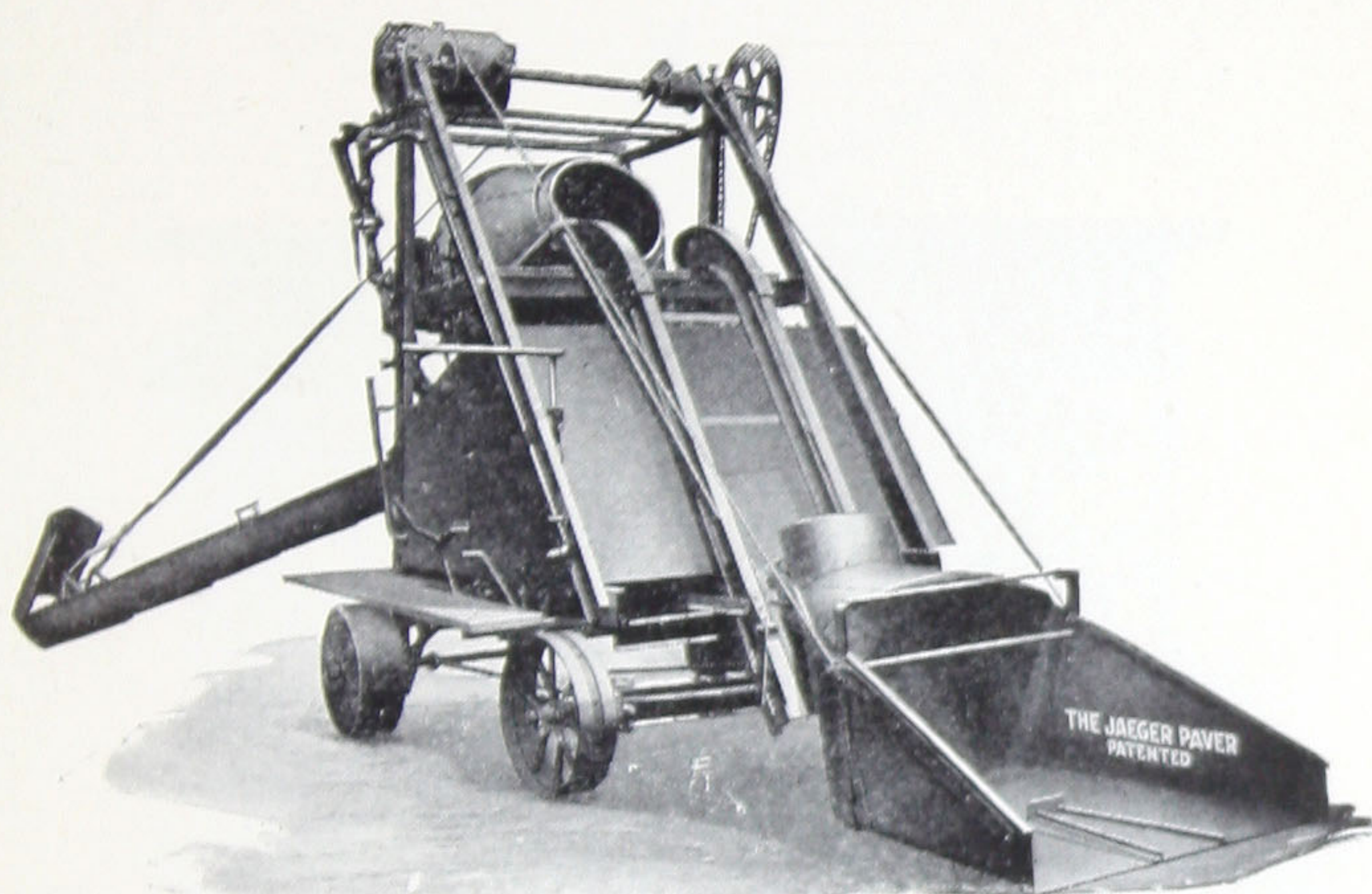
Specifications: Plant consists of inclined track of five sections that lock together. Each section 10 feet long—made of 4-inch channels. Spouts are self-supporting, knuckle-jointed and pivoted, reaching 25 feet.

Two sizes: No. 4-S, complete with mixer. Weight, 5,885 lbs. Code, "Bond."

No. 7-S, complete with mixer. Weight, 7,690 lbs. Code, "Direct."

LEE T. WARD CO.

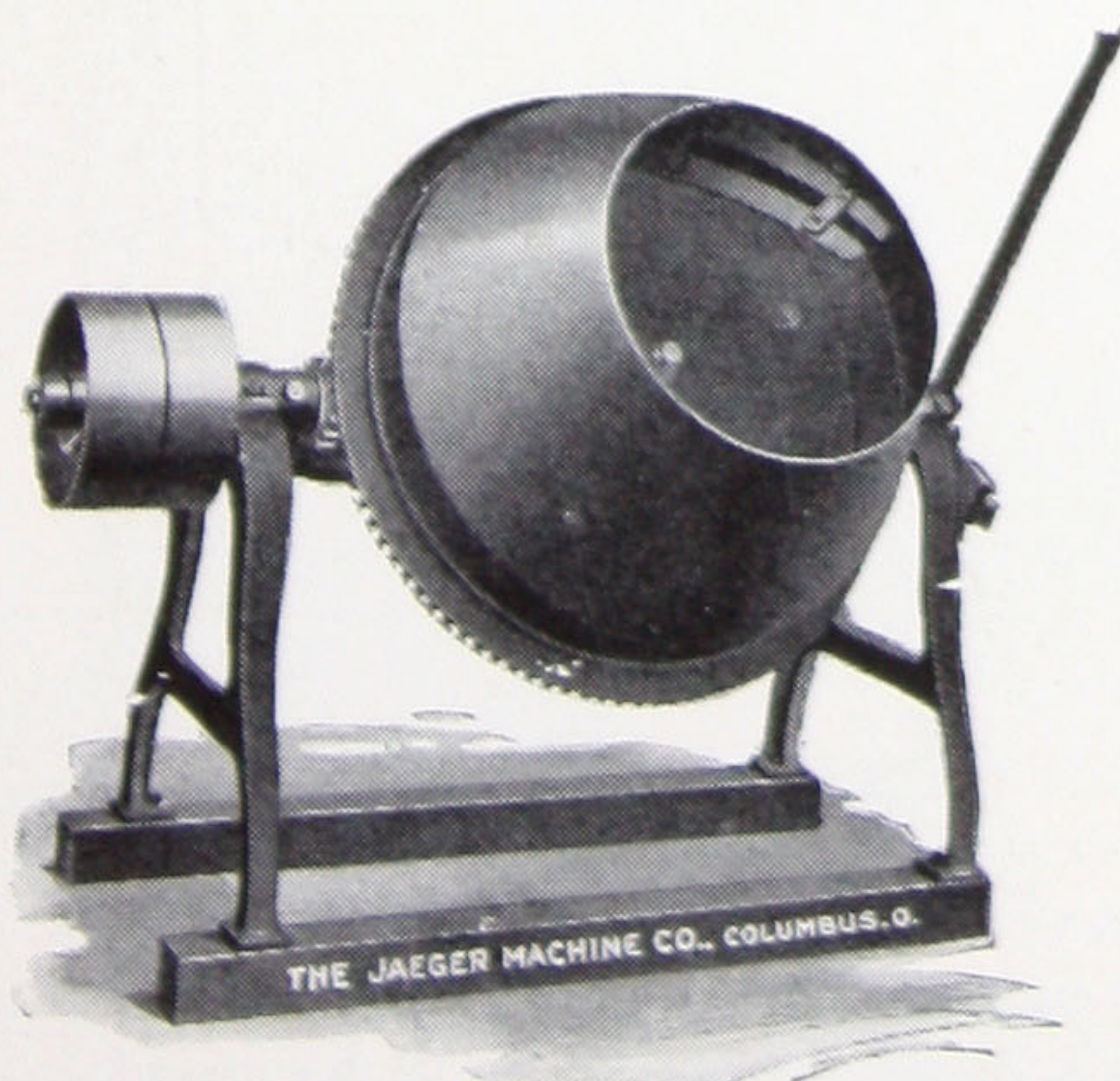
JAEGER MACHINE CO.



Jaeger Paver

The No. 7-P Jaeger Paver possesses every desirable feature required in a Paving Mixer. Built in one size only. Capacity per batch mixed concrete up to 8 cubic feet. Twelve cubic feet capacity unmixed materials. Designed for the contractor who wants a sturdy, medium-capacity mixer.

Specifications: Drum, 42 inches diameter, 36 inches deep, 21-inch opening. Output per hour, 6-inch base, 80 to 100 square yards. Revolutions of mixer drum—18 per minute. Tractor moves forward or back at 100 feet per minute. Front wheels, 20 inches x 6 inches; rear wheels, 26 inches x 8 inches. Height of discharge, 60 inches from ground. Collapsible spout or chute, 12 feet long. Size over all, mixer with platform and skip, 8 feet x 13 feet x 6 feet. Weight, 6,750 lbs. Code, "Easy."

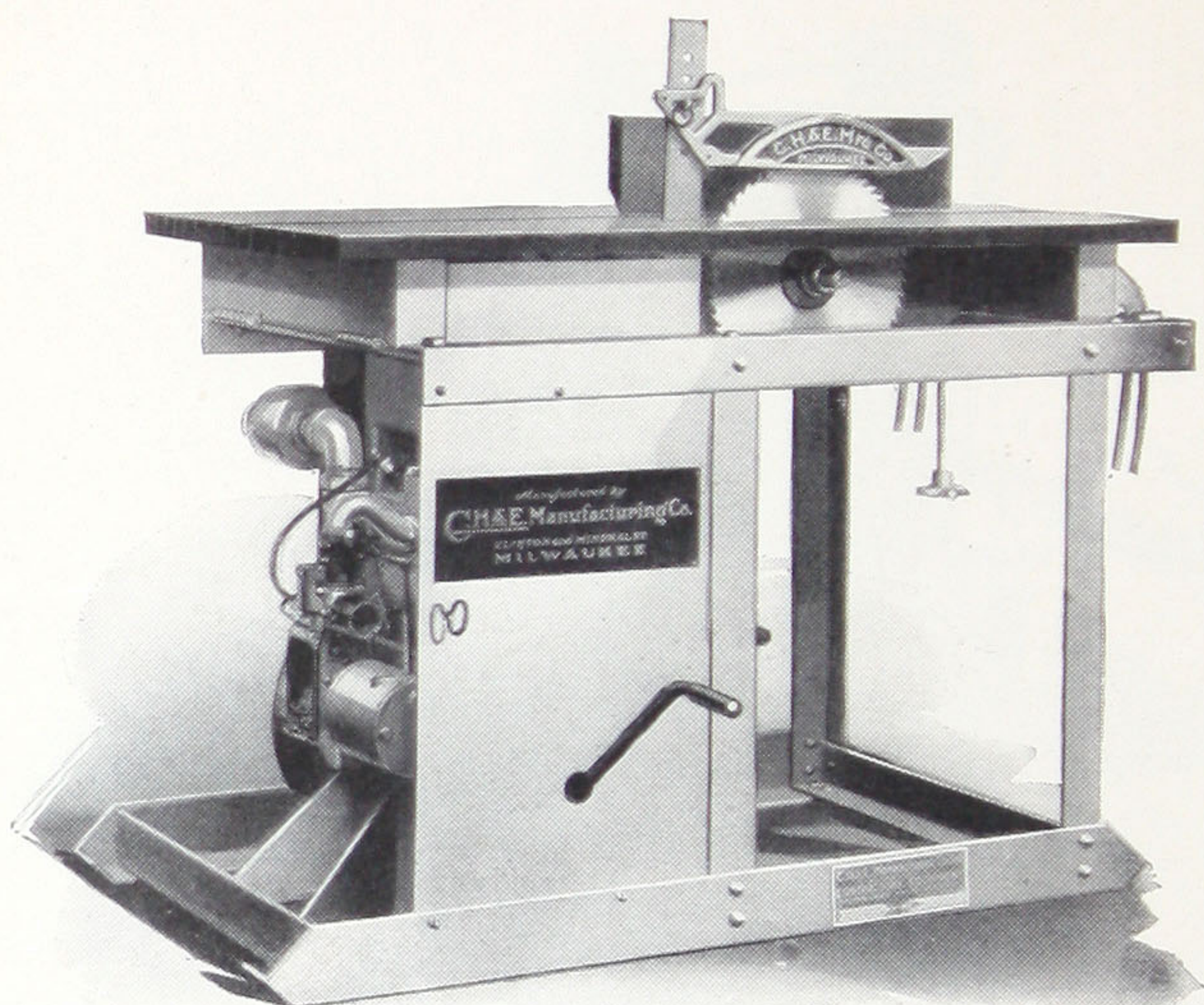


Jaeger 4-M Mixer

For stationary plant mixing such as block plants. Furnished in three sizes—3-M, 4-M, 7-M.

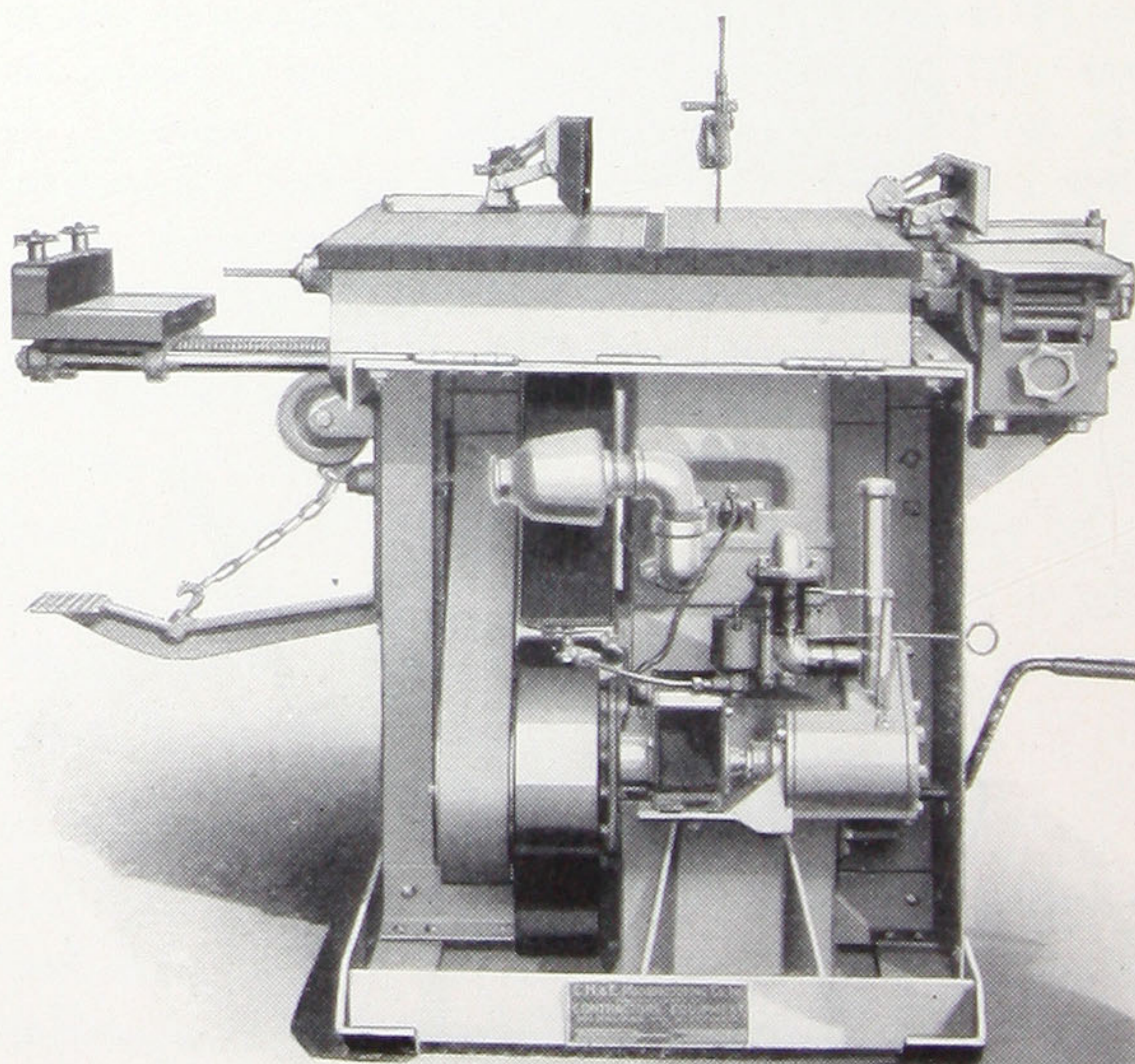
LEE T. WARD CO.

C. H. & E. MFG. CO.



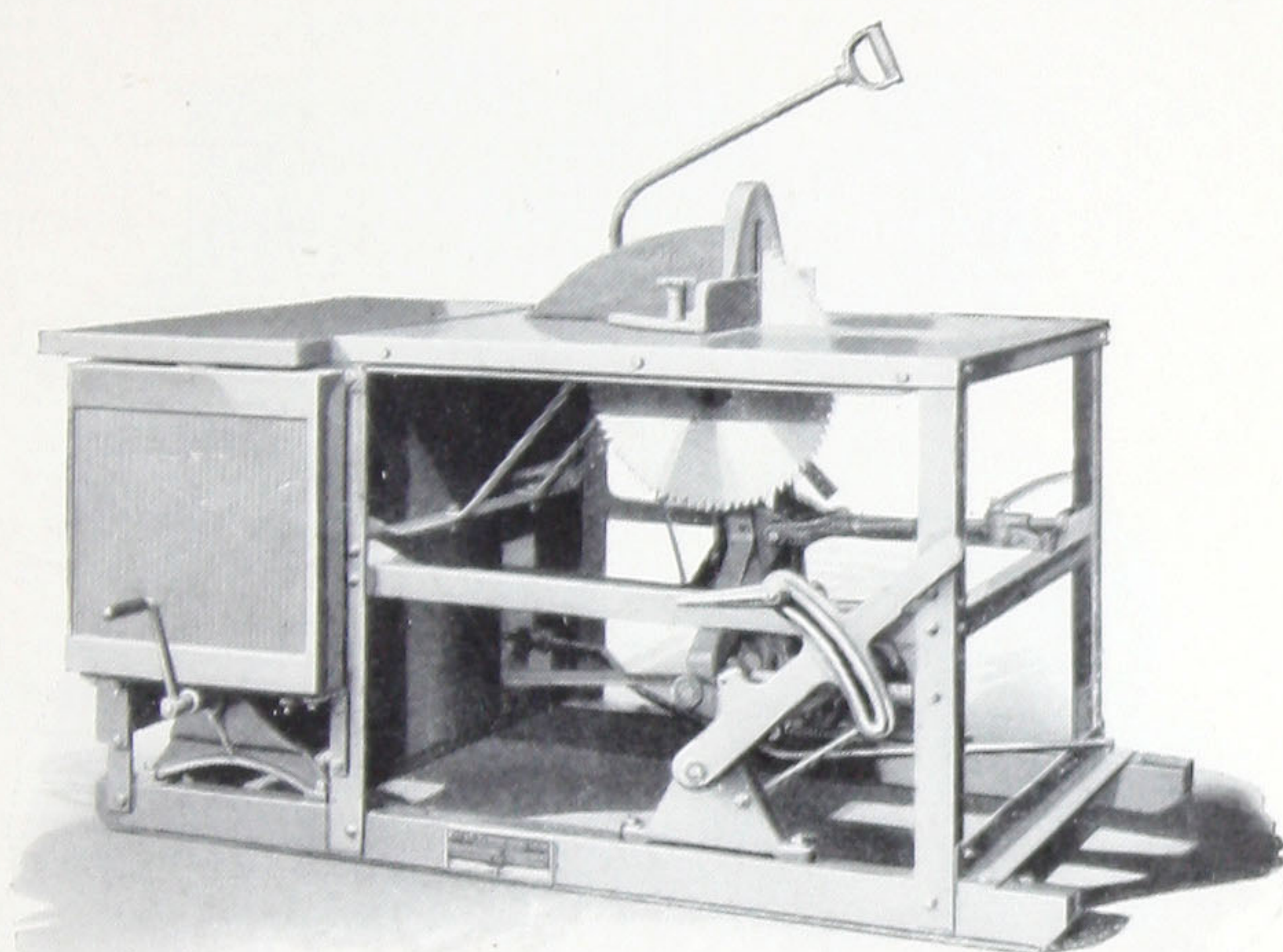
C. H. & E. Home Builders' Saw Rig

Here's the Saw Rig you have been looking for. A handy outfit that you can take right to your job, that is light, yet very strong and rigid. You can afford to buy this rig because it is cheap in price. This view shows the outfit with rip and cross-cut saw only. The engine is a one cylinder, four horse power, water hopper cooled, with magneto ignition and operates this Saw Rig with absolutely no vibration. Ripping capacity, 3-inch lumber.



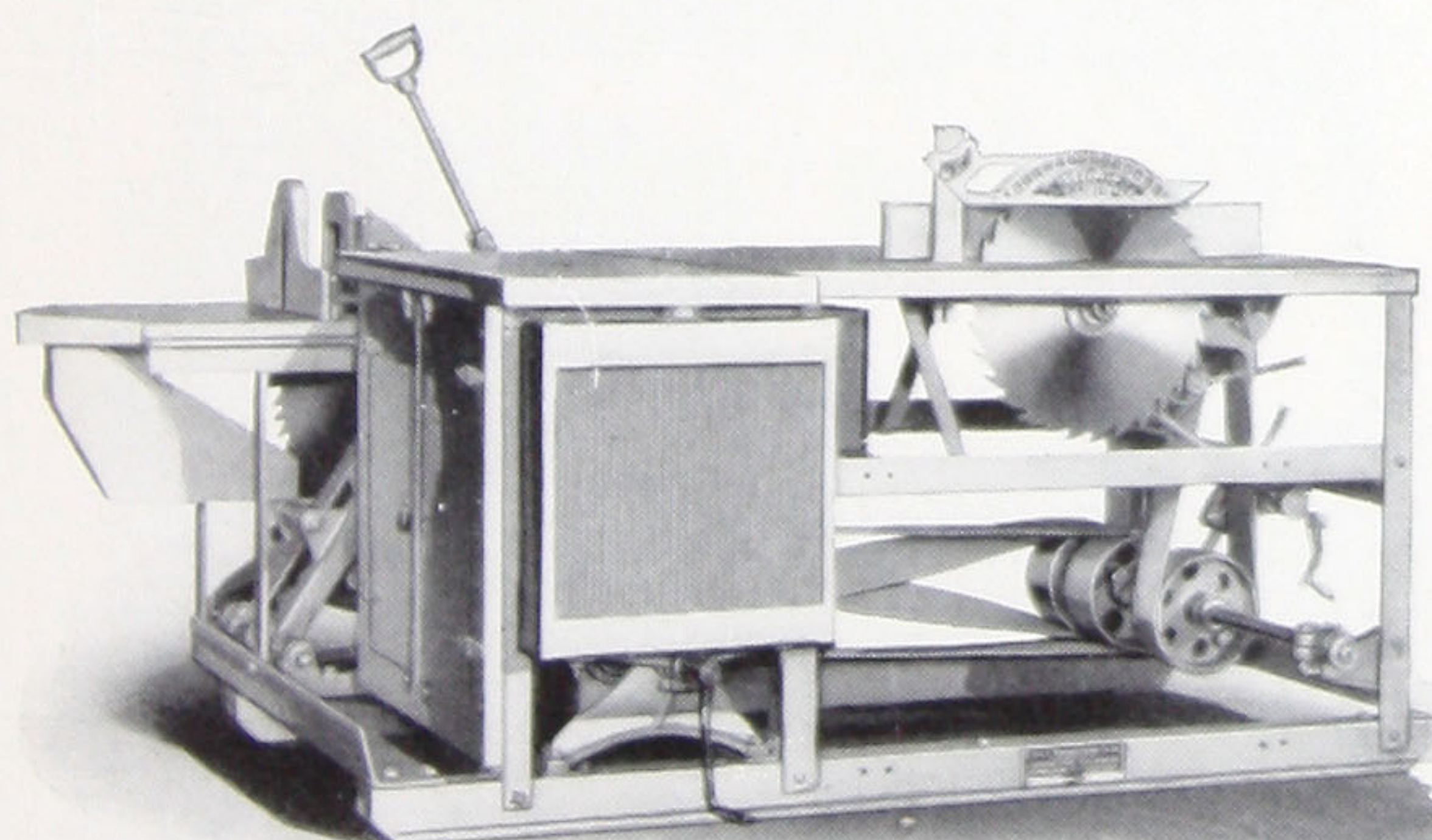
This view shows the Home Builder, with attachments mounted. A 6-inch jointer which is fastened to the frame is very rigid and makes a perfect joint, right hand operated. The boring and hollow-chisel mortising attachment has a vertical adjustment of 7 inches and a horizontal travel of 8 inches, will cut perfect mortises. This outfit also carries a disc sander, emery wheel, dado head, making it a complete woodworker, either in the shop or out on the job.

LEE T. WARD CO.



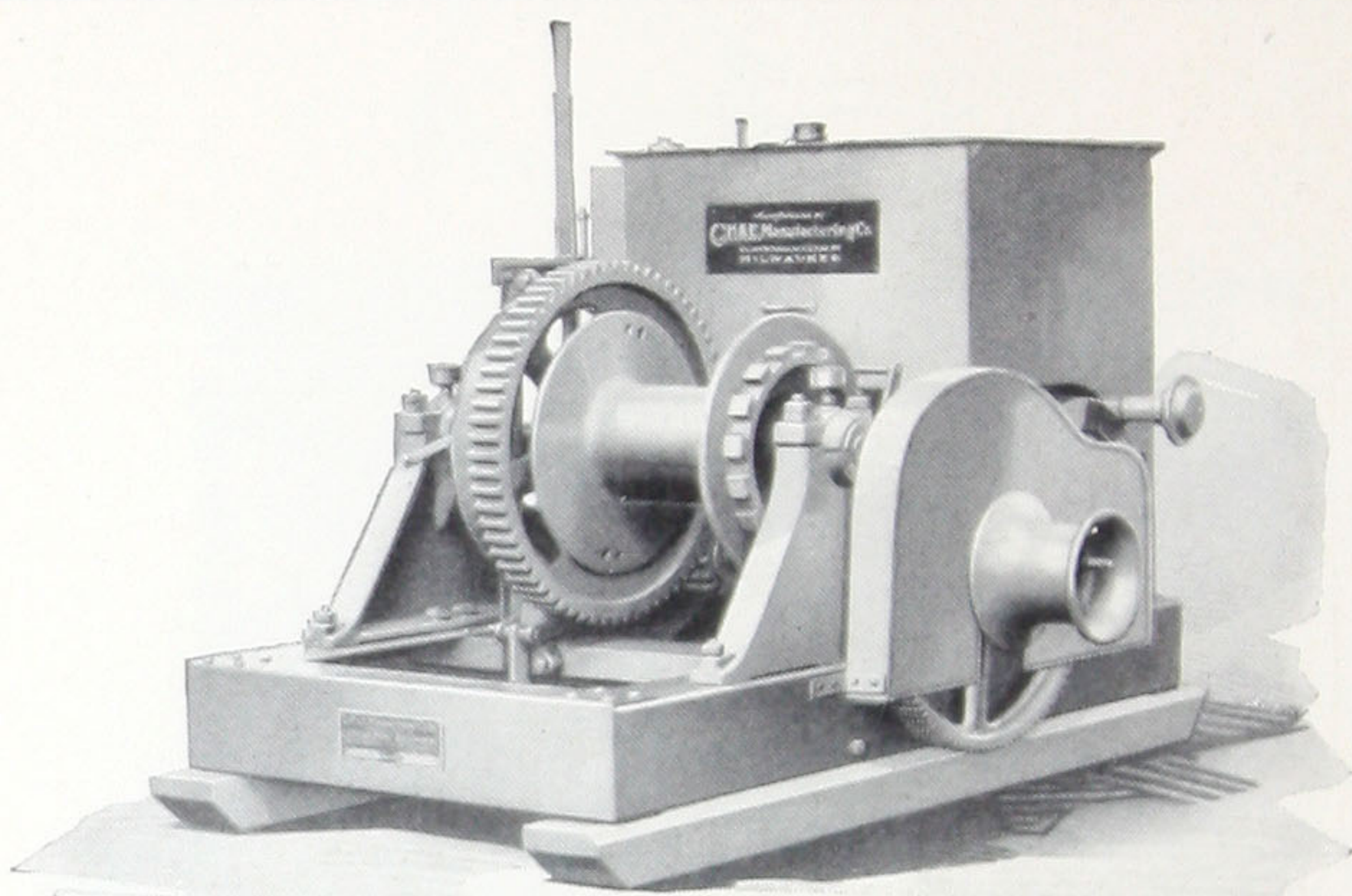
C. H. & E. No. 15 Saw Rig

You can make every contract a bigger profit-payer and handle more jobs, if you will put any one of the six different sizes of C. H. & E. Saw Rigs on your work. This No. 15 Saw Rig with four cylinder engine mounting has a great amount of power and operates with absolutely no vibration. The saw arbor in this rig can be made stationary for ripping and movable for rapid cross cutting. Ripping capacity, 6-inch lumber.



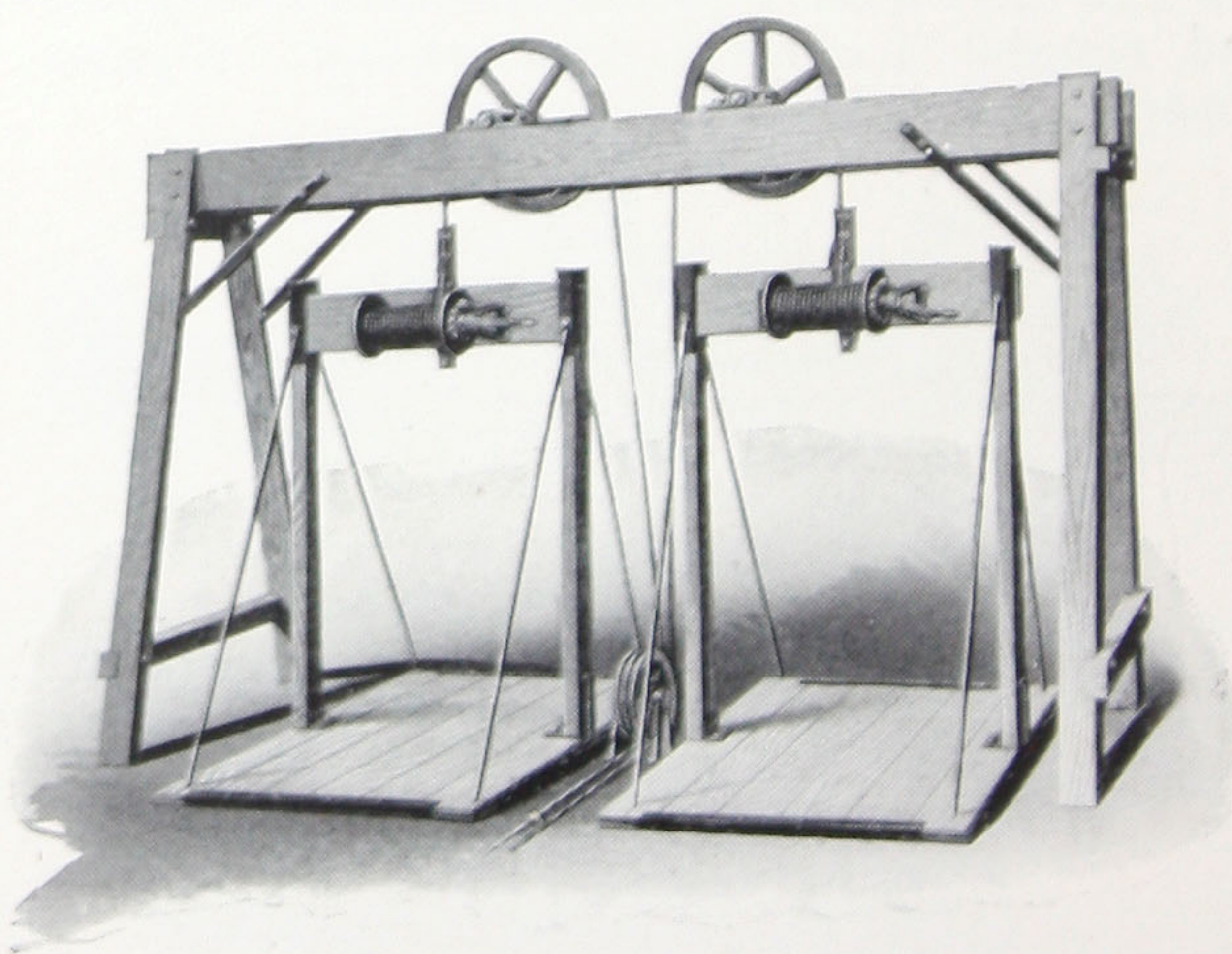
C. H. & E. No. 14 Saw Rig

In these days of keen competition you must be up and doing—let your brain work, while power does the hand work. This No. 14 Portable Saw Rig is the very latest triumph in a combination rig for heavy ripping and cross-cut sawing. The four cylinder engine is a bull for power. Ripping capacity, 6-inch lumber, cross-cutting capacity, 8-inch lumber. The ripping arbor is stationary and the cross-cut saw is mounted on a movable arbor.



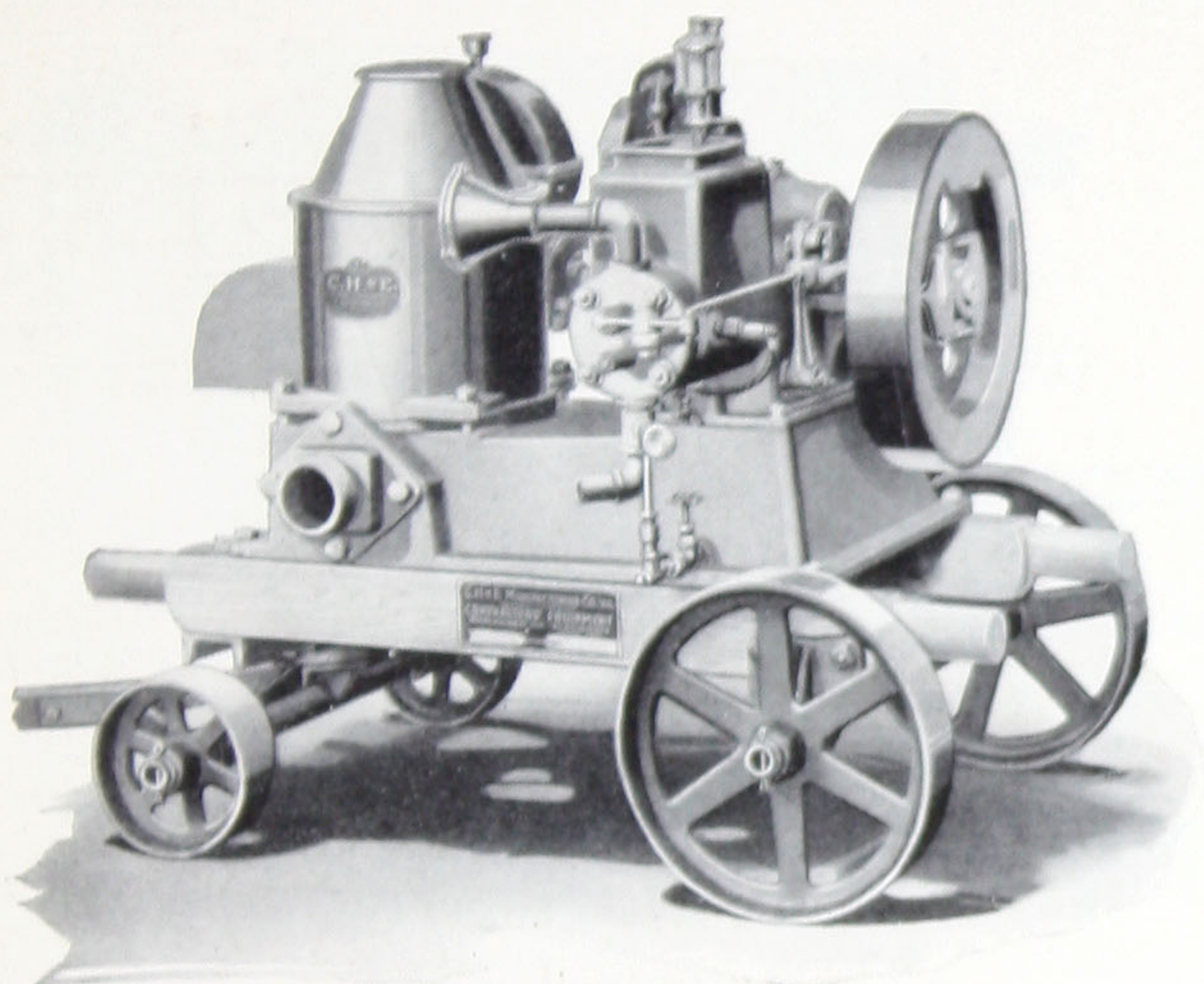
C. H. & E. No. 15 Gasoline Hoist

This four cylinder gasoline engine driven single drum hoist was developed especially for service where a light fairly high speed hoist is required. It is just the outfit for hoisting concrete buckets either in a tower or on a mast spouting plant. Also adapted for operating a single or double cage material elevators. The entire outfit is built sturdy enough to withstand rough service and yet it is light enough to be easily portable. Double drum can be added in field.



C. H. & E. Material Elevator

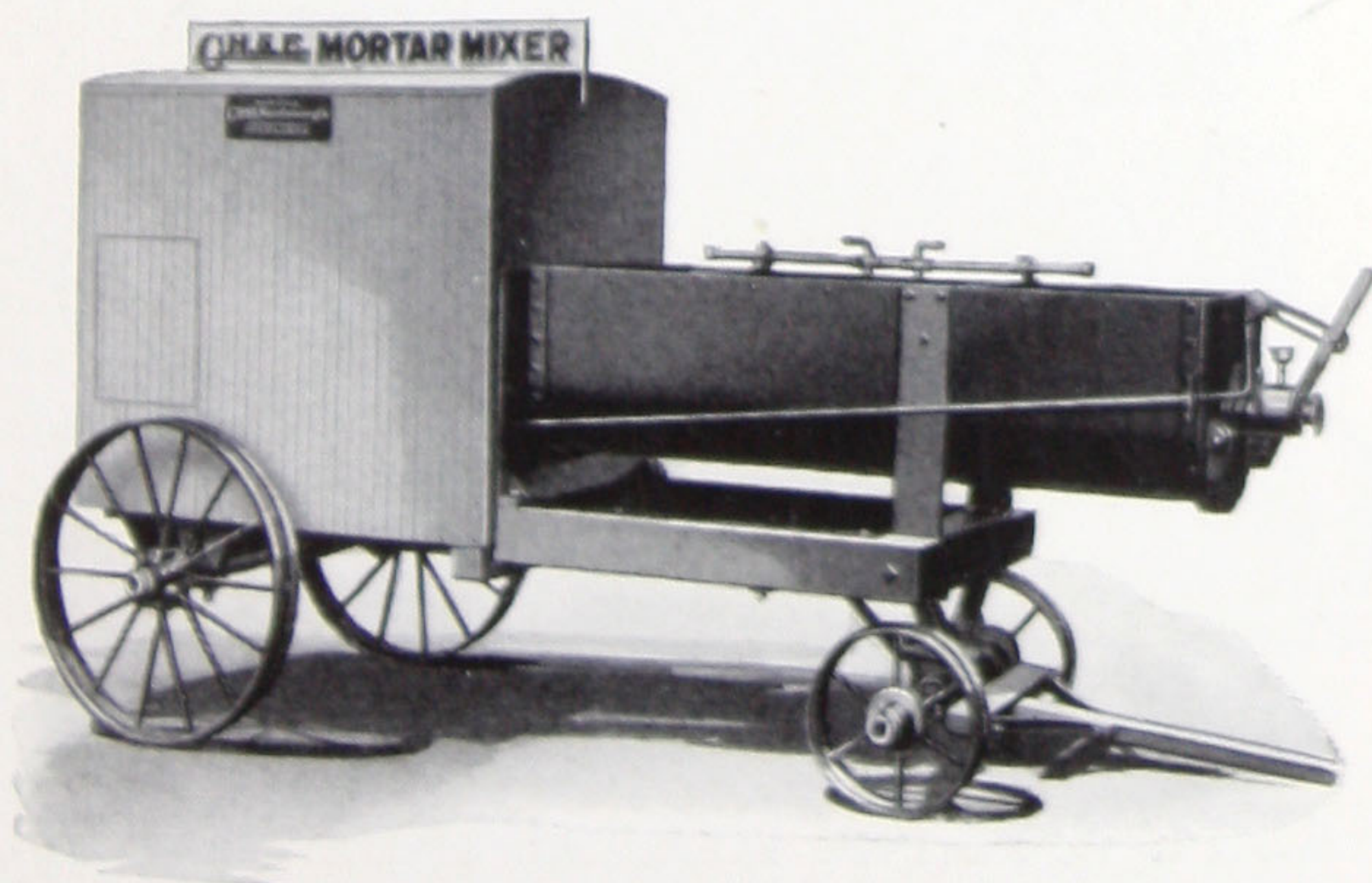
For rapid handling of building material such as brick and mortar, these elevators are indispensable to the contractor. The cages are large and well braced with platforms made of sound, well-seasoned maple, protected with strap iron in parts subject to wear. Diameter of the two top sheave wheels is 24 inches and of the bottom wheels 16 inches. A blue print is furnished with each shipment to aid workmen in setting up. Single cage if wanted.



C. H. & E. Bilge Pump

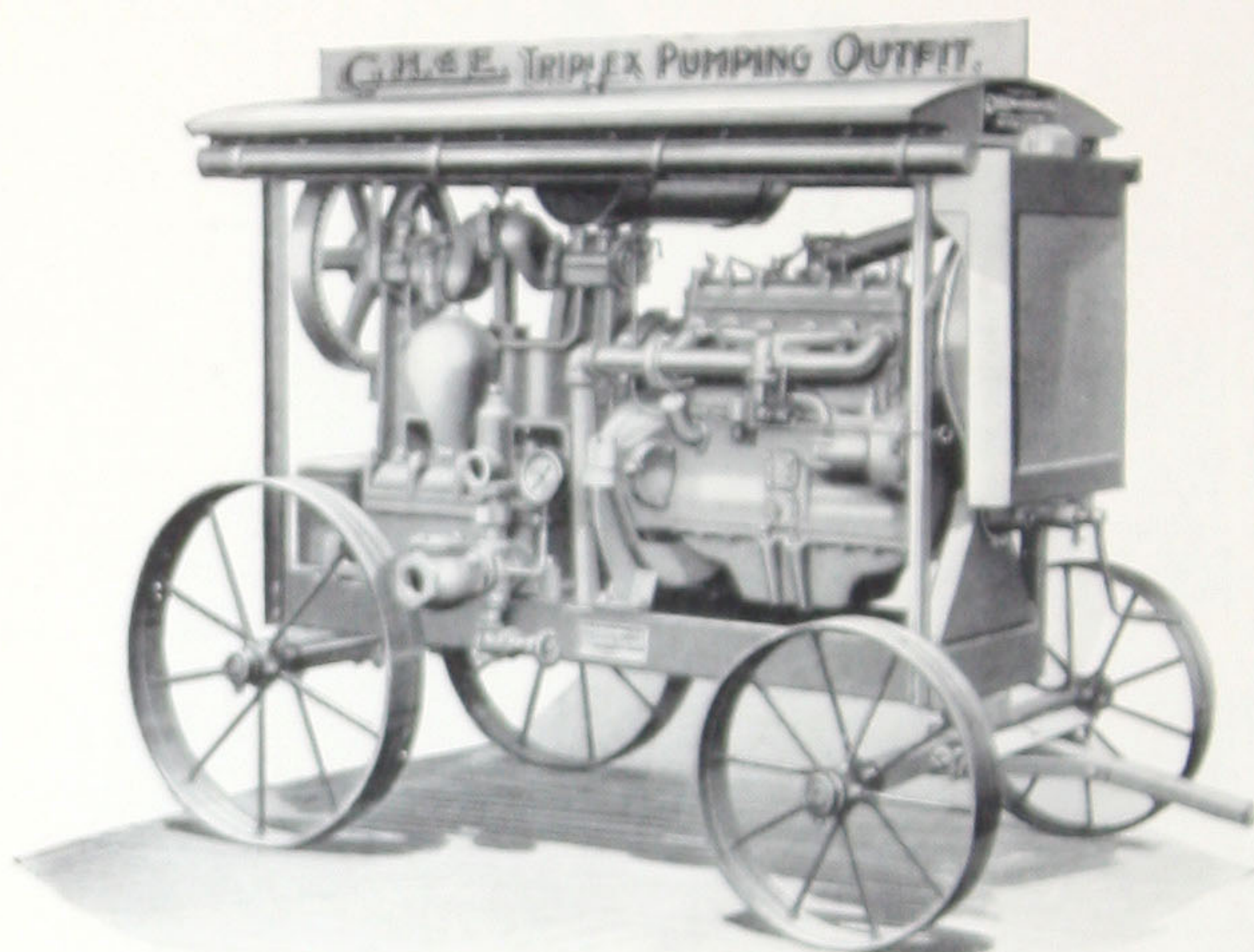
The C. H. & E. Power Driven Trench Pump, worm gear driven—each and every part enclosed and working in oil—worm gear drive packed in hard grease—new vertical discharge pump valve—high tension magneto—outfit small and compact, total weight only 500 pounds. Only real strictly power driven trench pump on the market today—pump built for engine and engine built for pump—no makeshift outfit. Made in two sizes, 3-inch and 4-inch.

Centrifugal Pump With Four Cylinder Motor



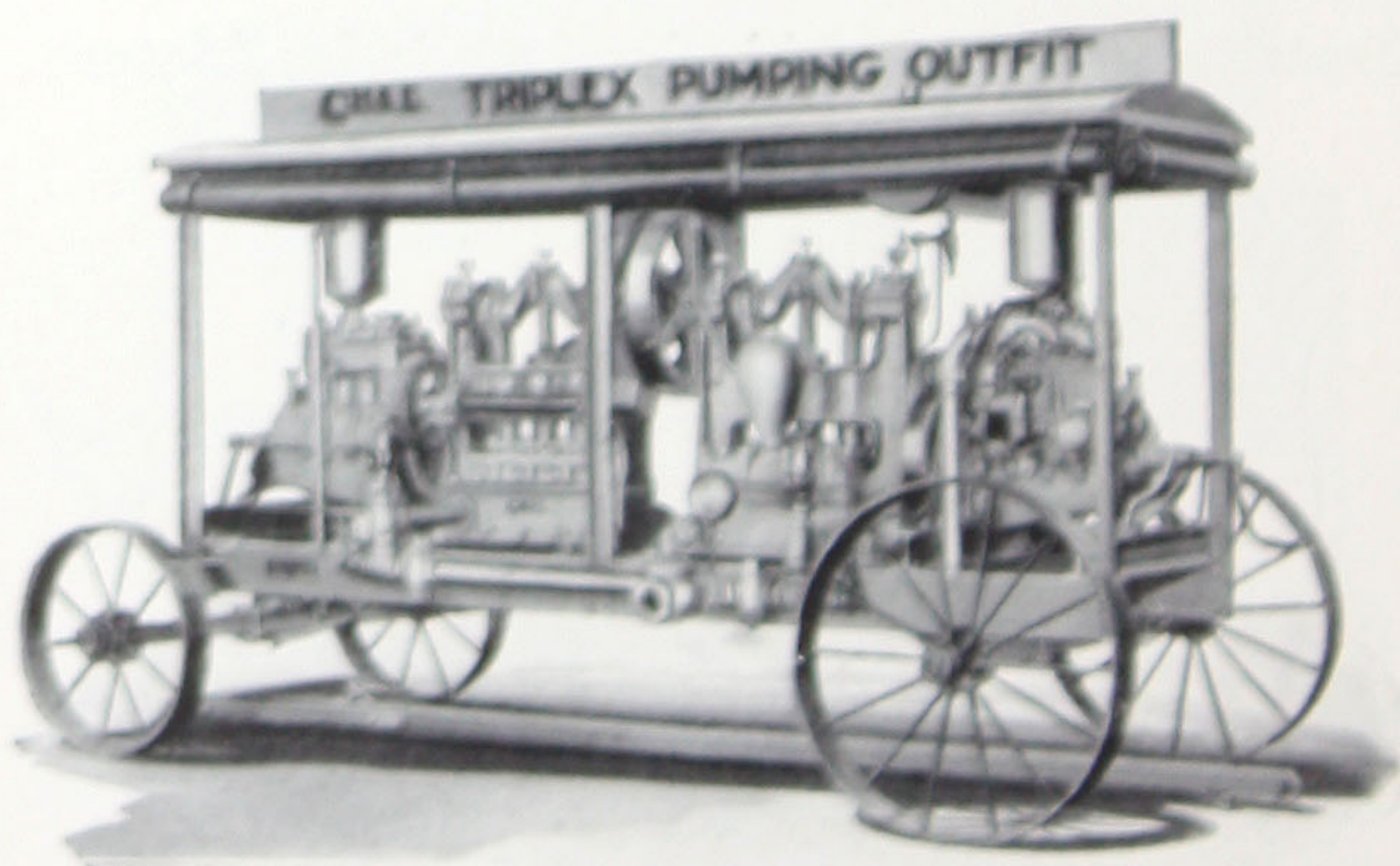
C. H. & E. Mortar Mixer

Mortar Mixers are fast supplanting the old-fashioned hoe and mixing box in the same way that the modern concrete mixer has replaced the shovel and mixing platform. The mixing by hand of the lime and sand is very hard work, and further, being mixed in a machine at least one-third more sand can be used. Four cylinder gasoline engine, or electric motor mounted, manufactured in three sizes.



C. H. & E. No. 11 Triplex Pump

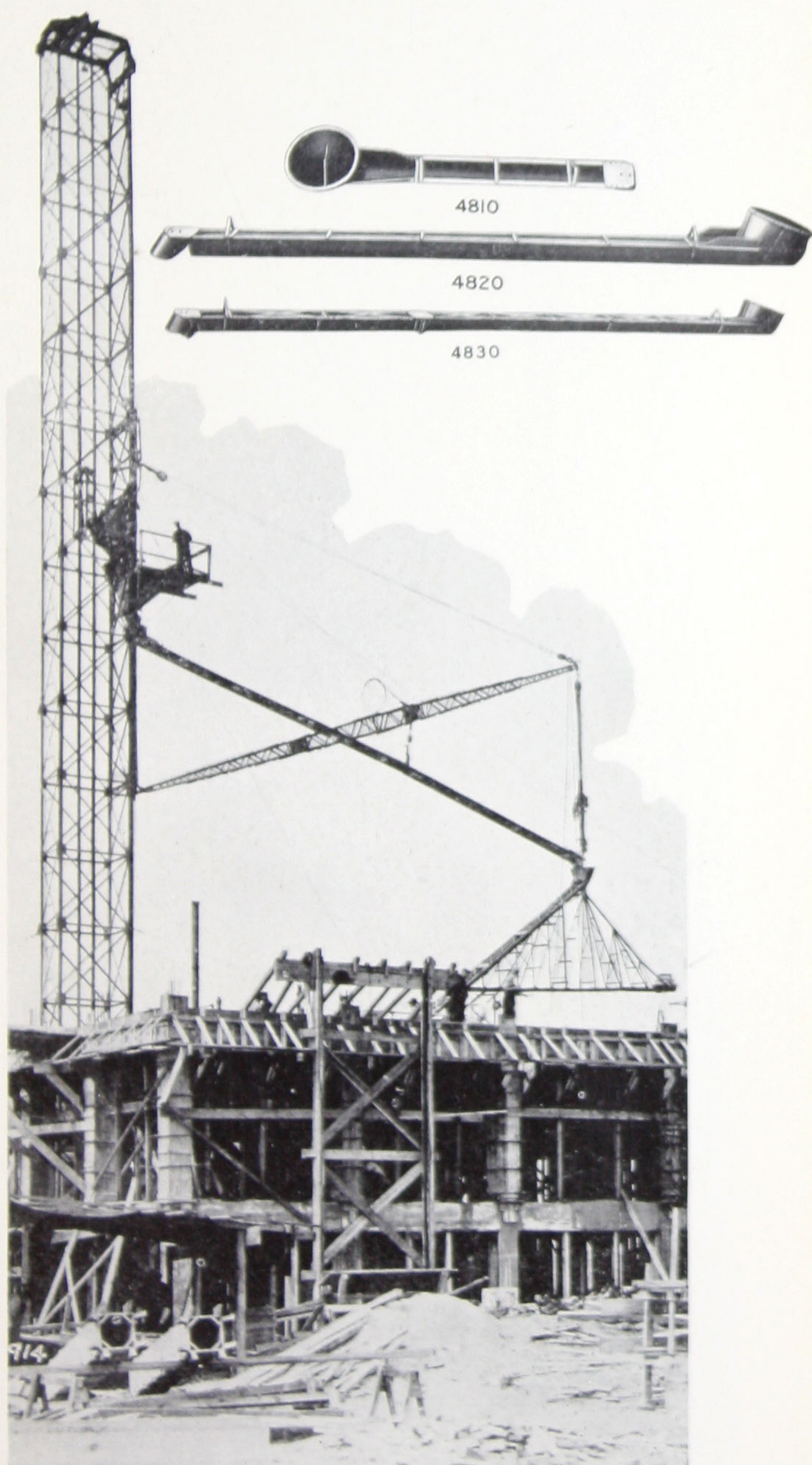
This four cylinder engine driven Triplex Pump outfit is better than a steam pump, in that it does not require the services of a licensed engineer and does away with expensive coal. There is absolutely no vibration in its operation. As a contractor recently said, "it's the last word in a pumping plant and water is our least trouble." This 400-pound pressure pump will deliver 70 gallons of water per minute over a distance of five miles.



C. H. & E. No. 10 Dual Triplex Pump

The C. H. & E. Dual Pumping Outfit is the latest development in a pumping plant for the road builder. It consists of two duplicate triplex pumping outfits complete mounted on a truck—with canopy and side curtains. This dual outfit is a positive guarantee to the road builder that he will get water at all times. If one pump outfit breaks down, the other can be started immediately. Capacity 40 to 50 gallons per minute, each pump.

INSLEY MFG. CO.



Insley Steel Tower

with boom and counterweight chute. Can be furnished in three sizes, for 18-foot, 27-foot, 36-foot buckets.

LEE T. WARD CO.



Insley Mast Hoist

With steel mast. This steel mast is furnished in 20-foot sections or the contractor may build a wooden mast on the job. Capacity of bucket, 7 cubic feet mixed concrete. Most practical and economical plant on the market for delivering concrete above grade. Ideal for 60 to 90 yards per day.

INSLEY MFG. CO.

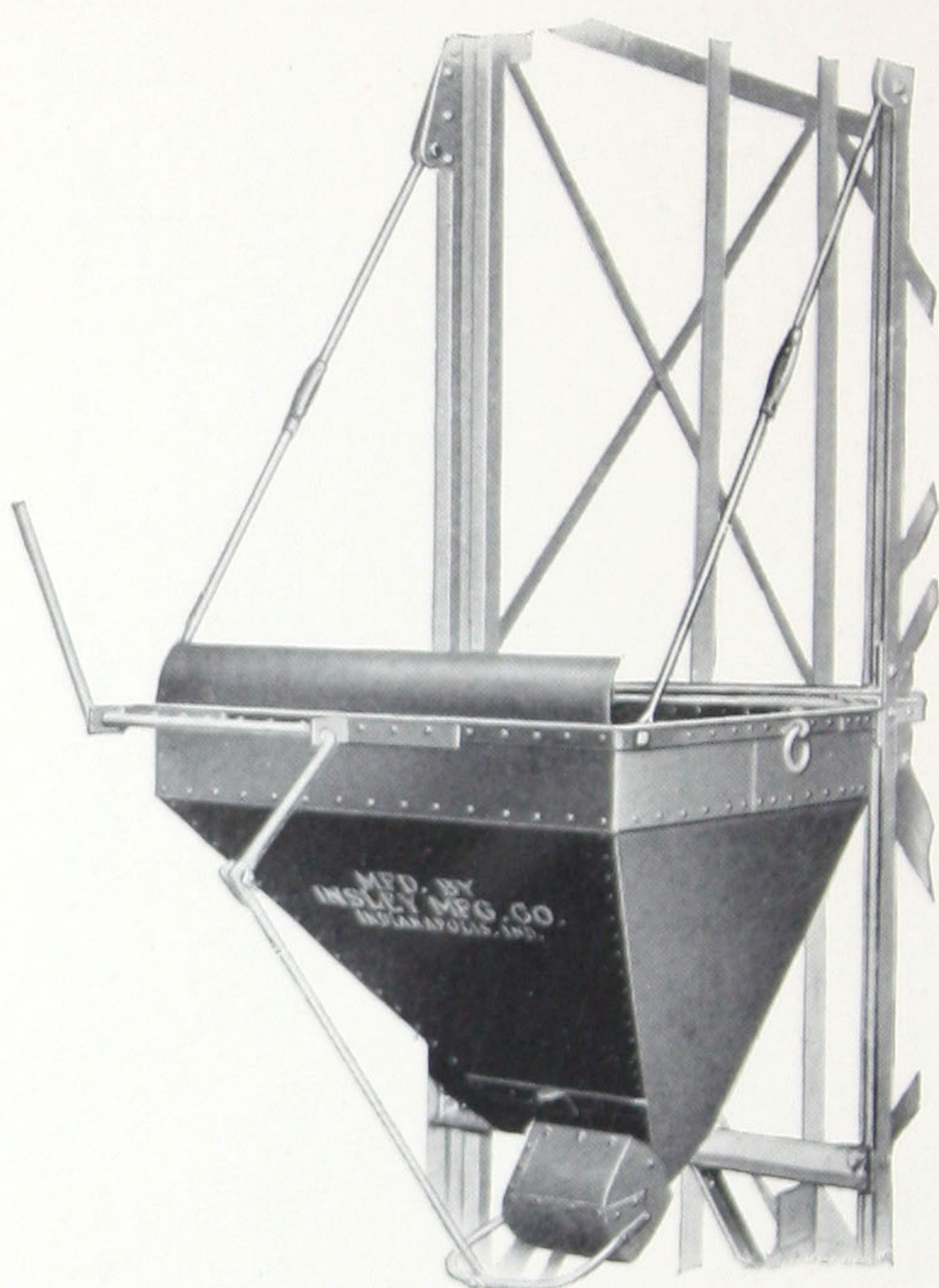


Insley Steel Derricks

are built for any class of work. Guy and stiffleg derricks are built in sizes from $2\frac{1}{2}$ to 20 tons capacity. Gin poles in 5 to 20 ton capacity.

LEE T. WARD CO.

INSLEY MFG. CO.



Insley Hopper

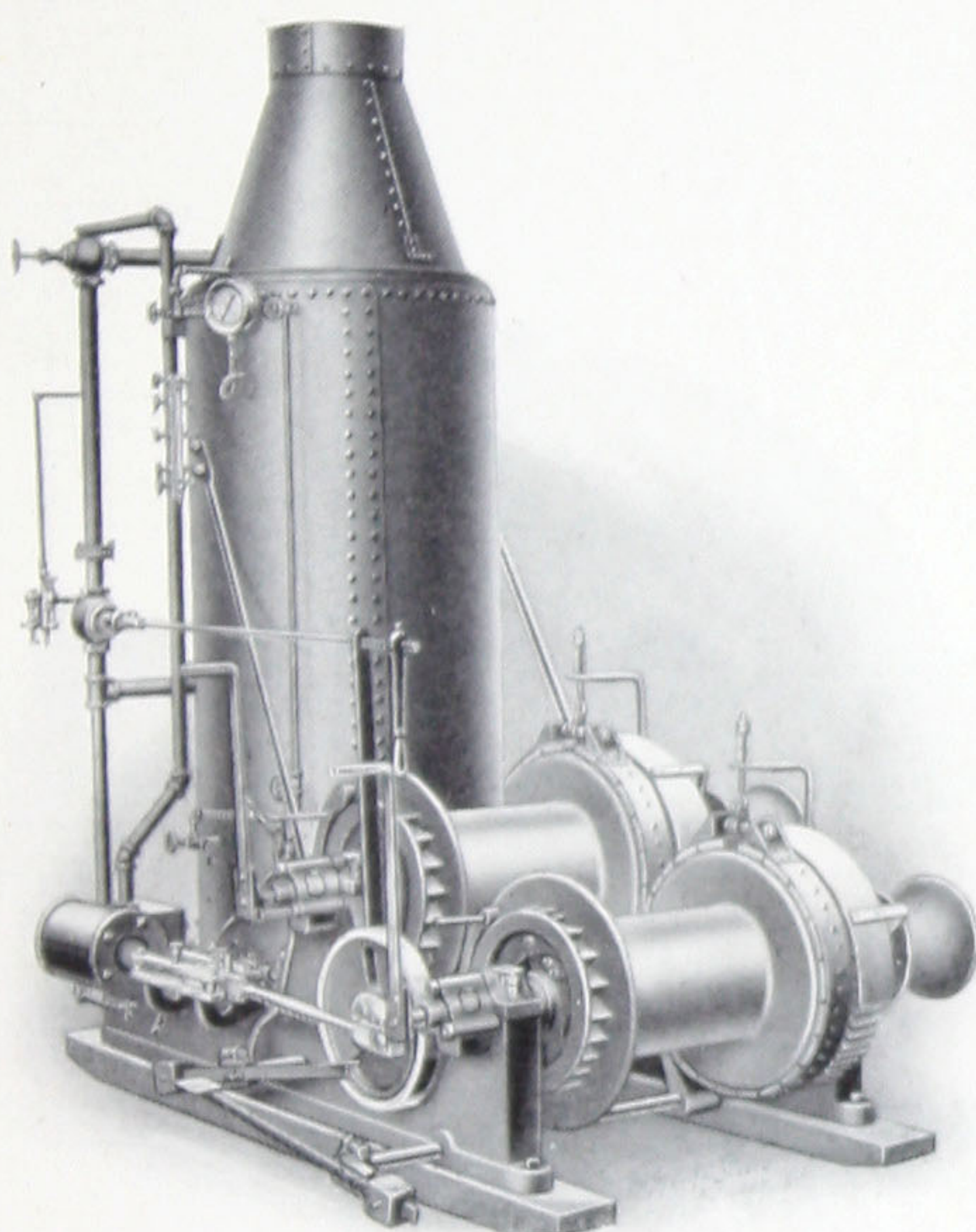
Furnished in two styles, either vertical or extended gate hoppers. Capacities, 30, 40, 60 cubic feet mixed concrete.



Insley Bucket

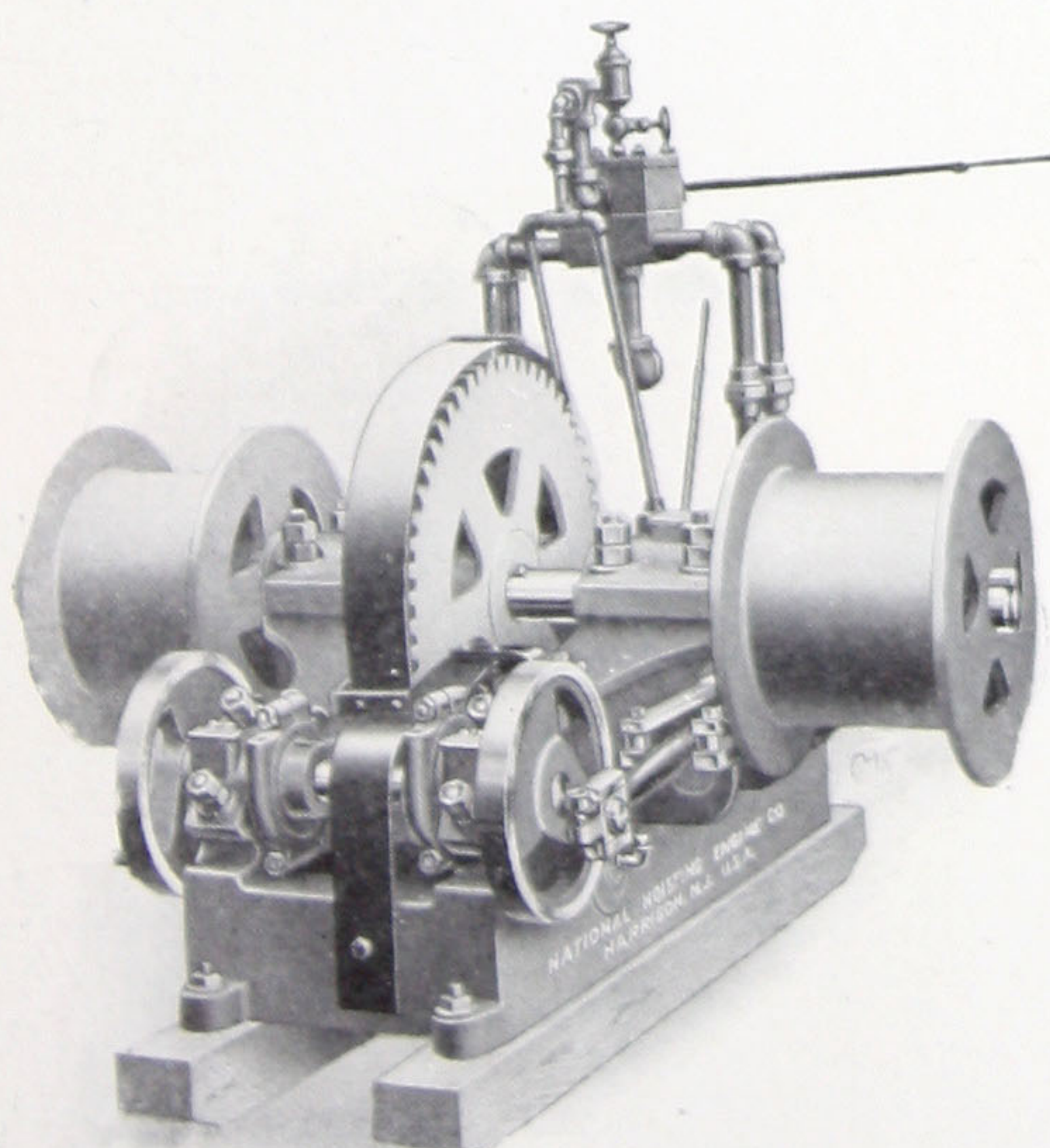
Furnished in either quick shift or roller hoist type. Capacities, 18, 27, 36 cubic feet mixed material.

LEE T. WARD CO.



National Steam Hoist

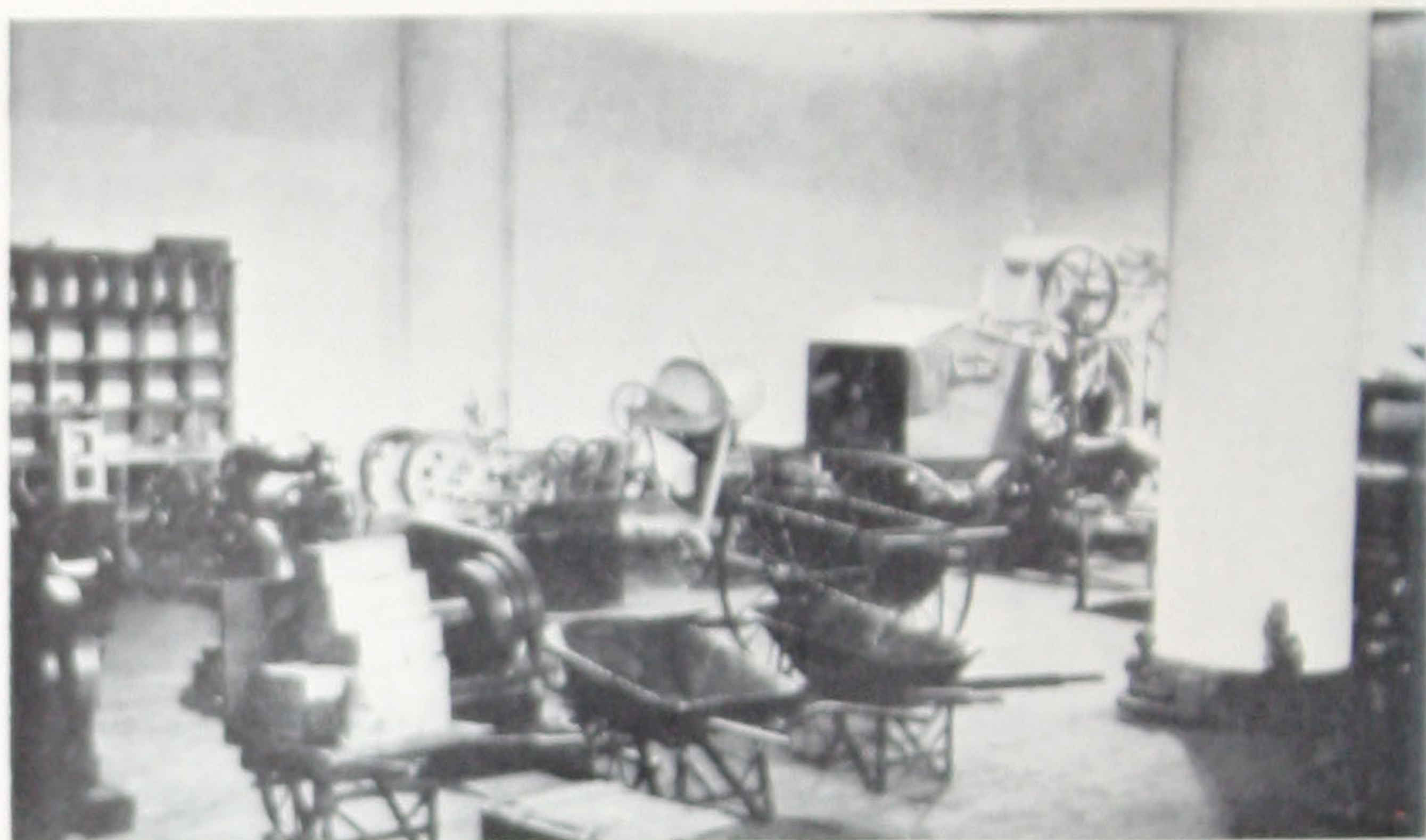
In either single, double or triple drum. Standard sizes and capacities.



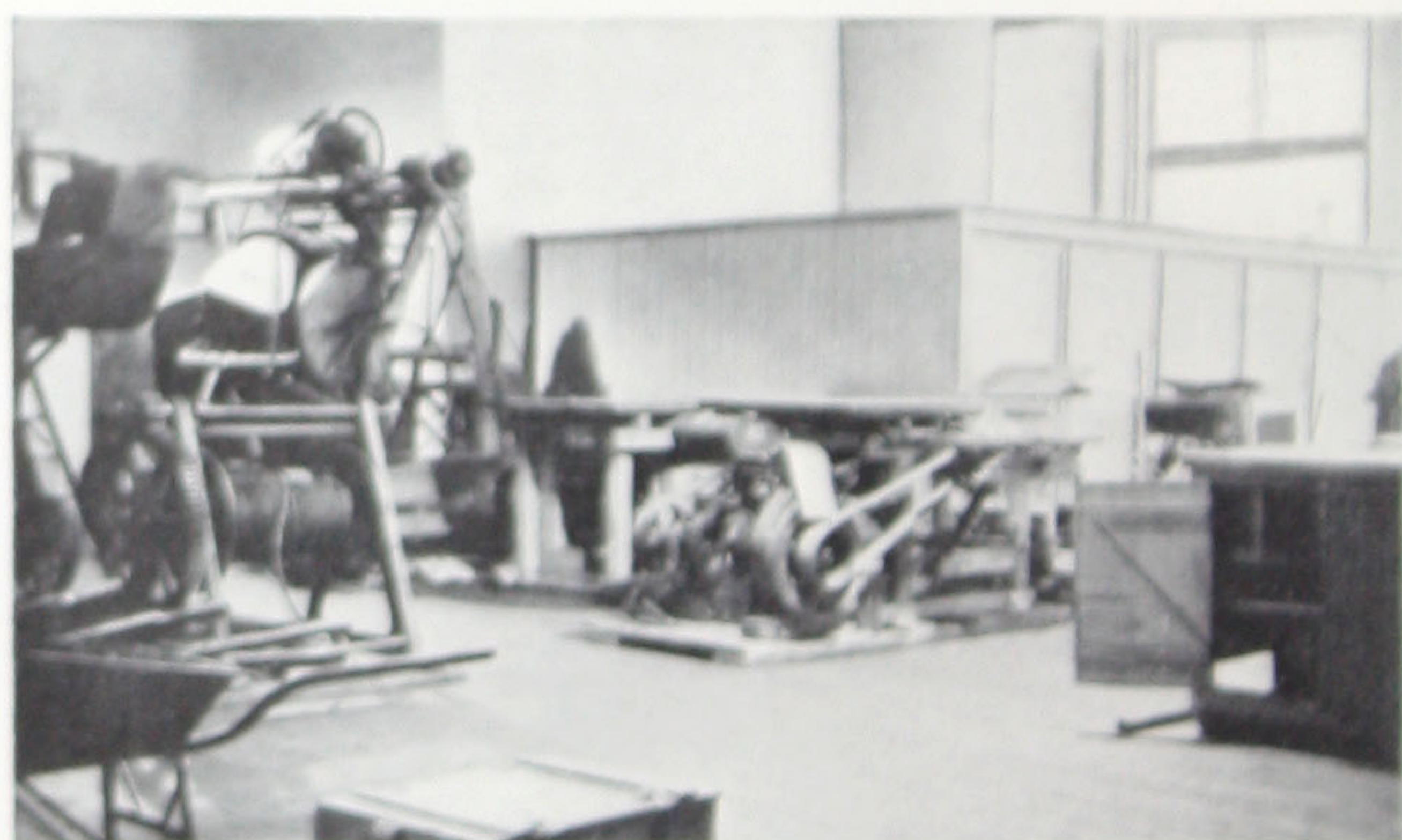
Boom Swinger

Single drum, especially adapted for derrick work.

LEE T. WARD CO.



Always an Interesting Display



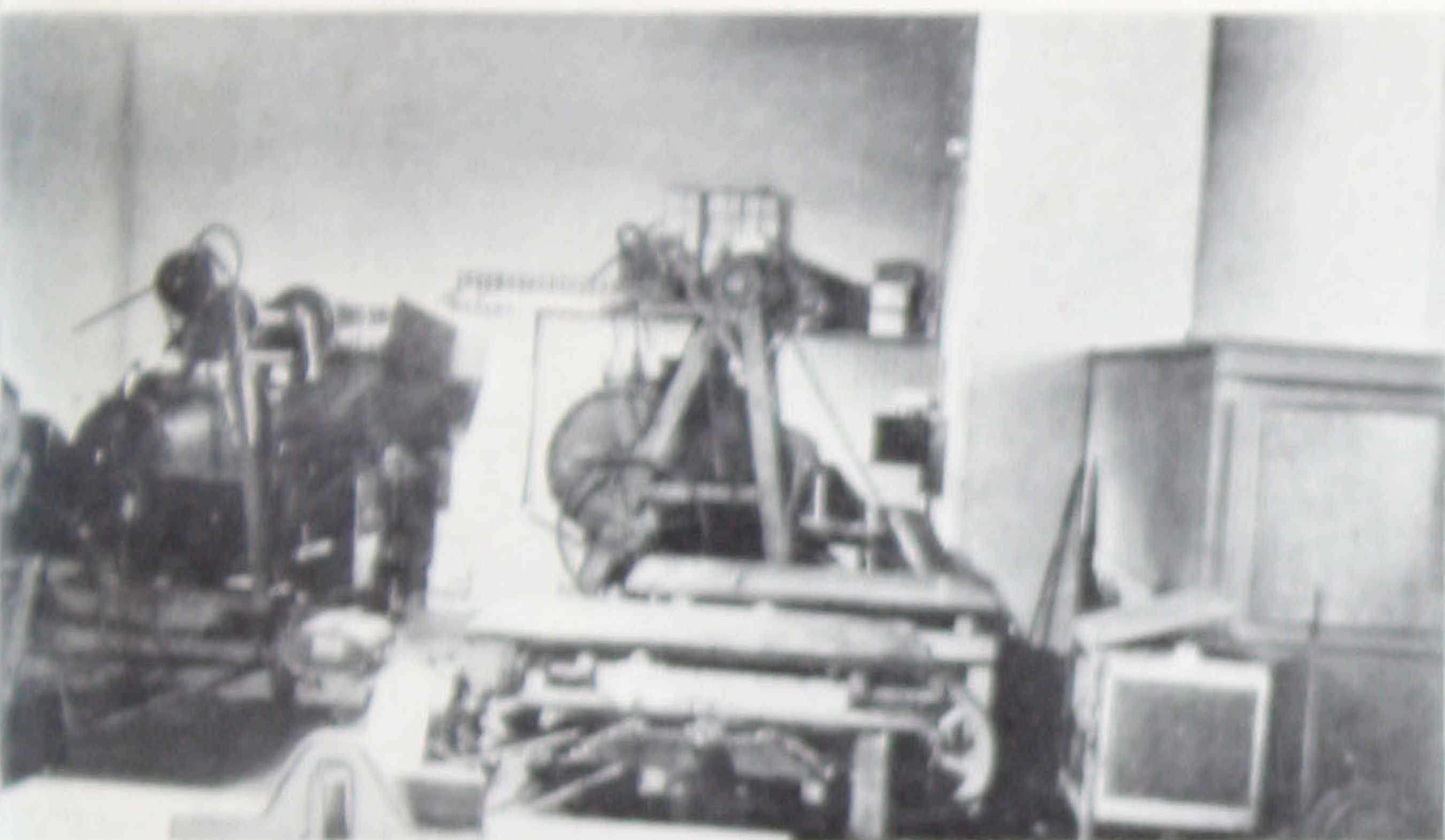
A Corner of Our Showroom



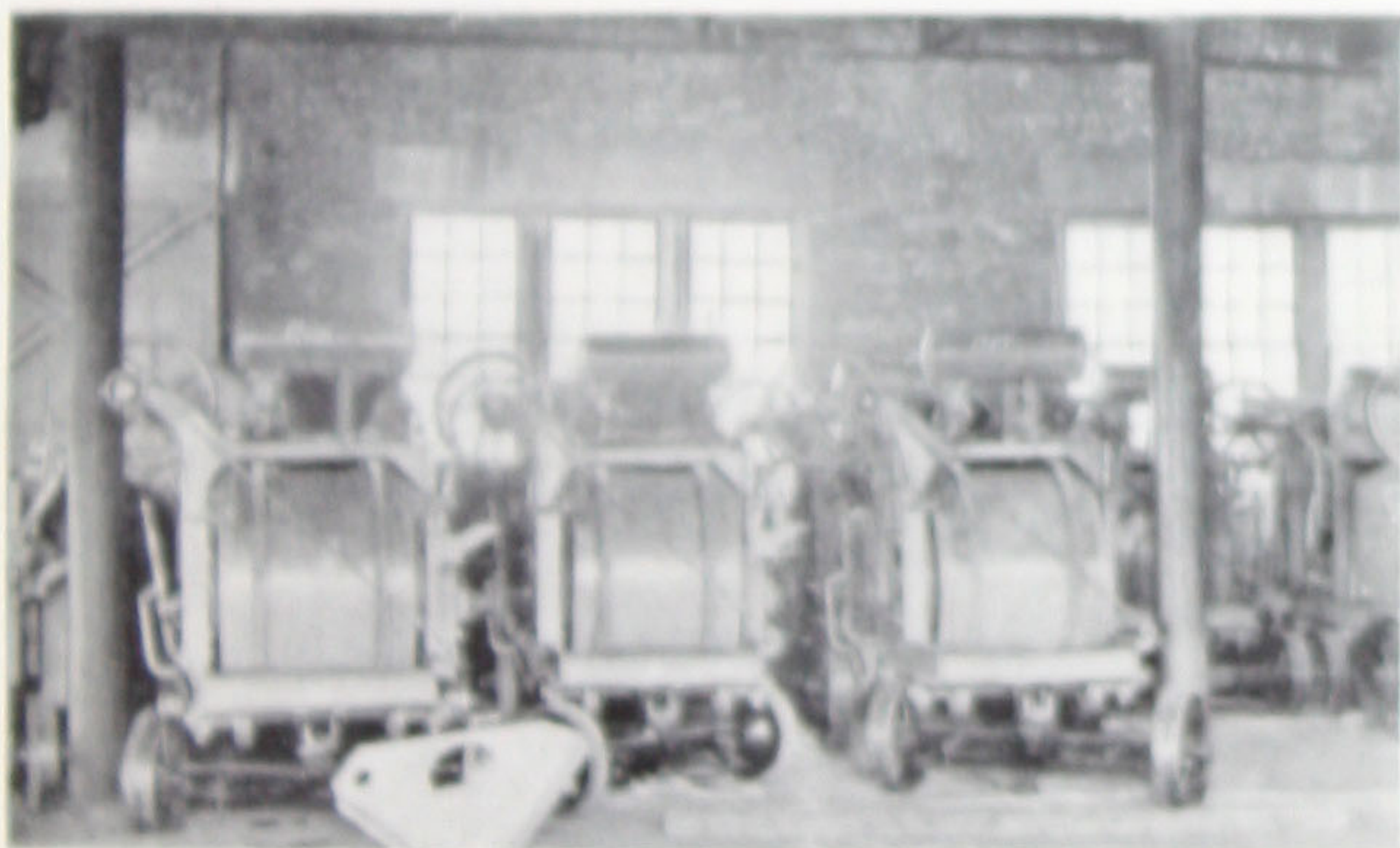
A Corner of the Warehouse Stocked With
Koehring Heavy Duty Mixers

LEE T. WARD CO.

617-619 FILBERT ST.



the Visitor to Our Showrooms

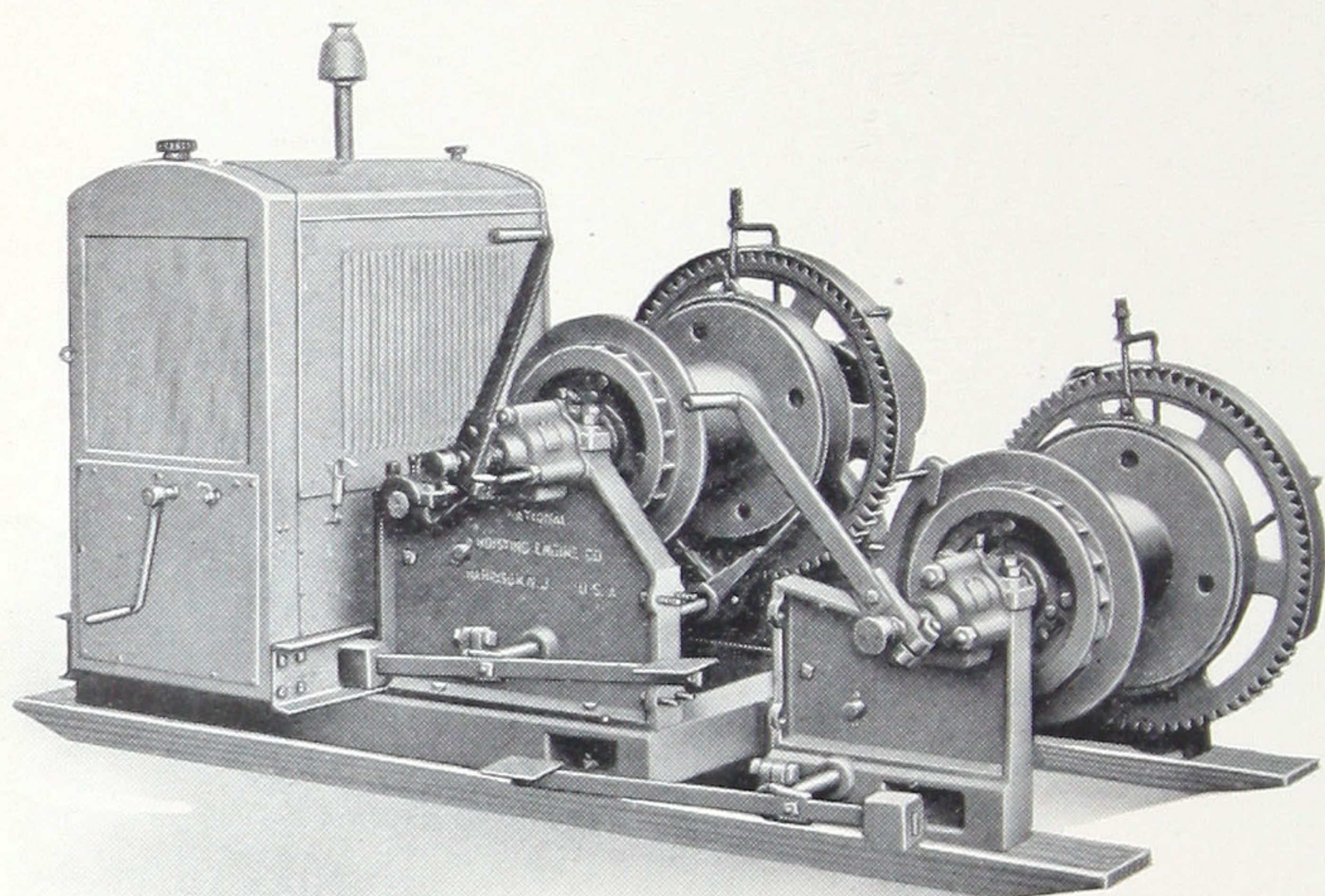


Dandie Mixers in our Warehouse



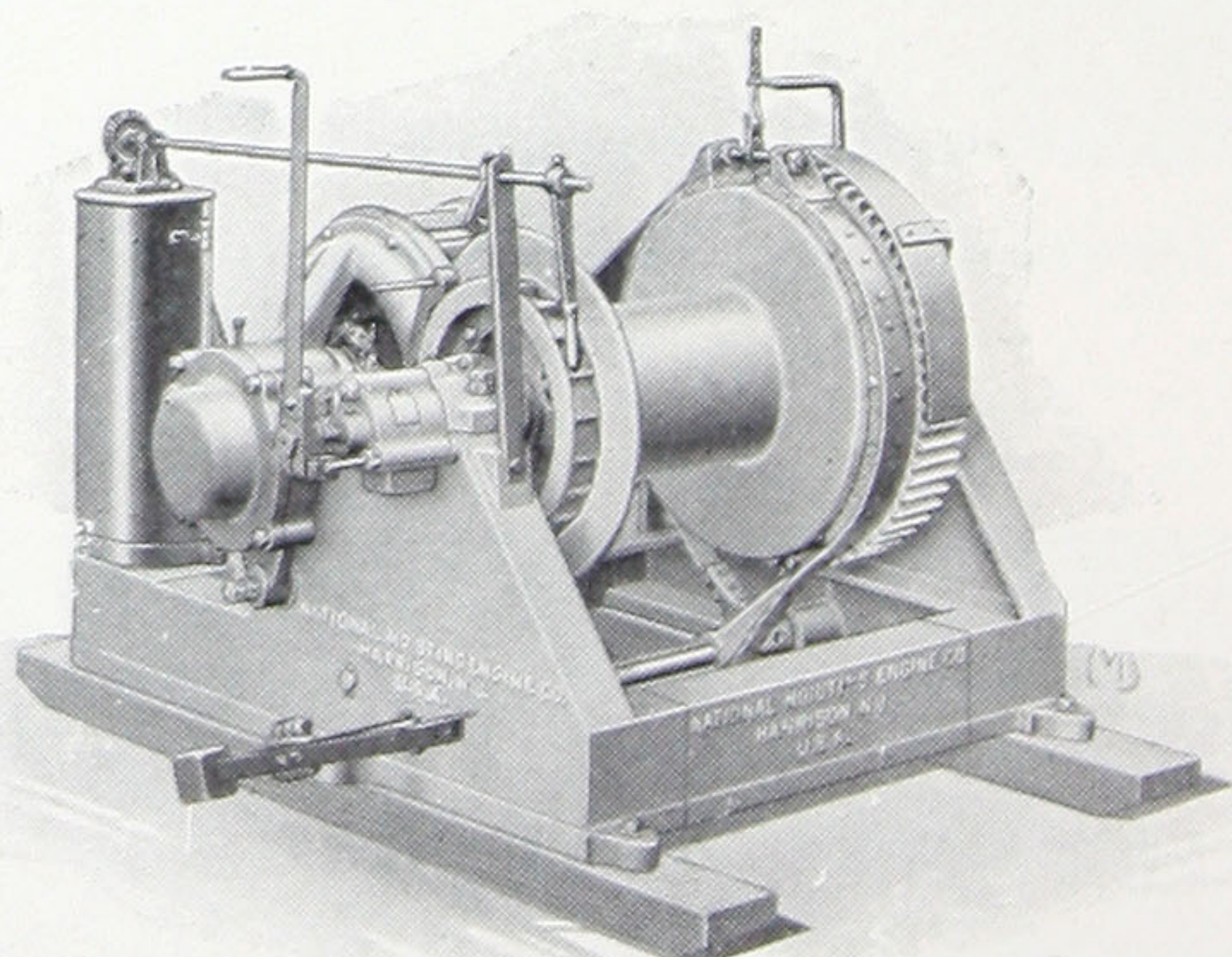
Some of the Jaeger Mixers in
Our Warehouse

617-619 FILBERT ST.



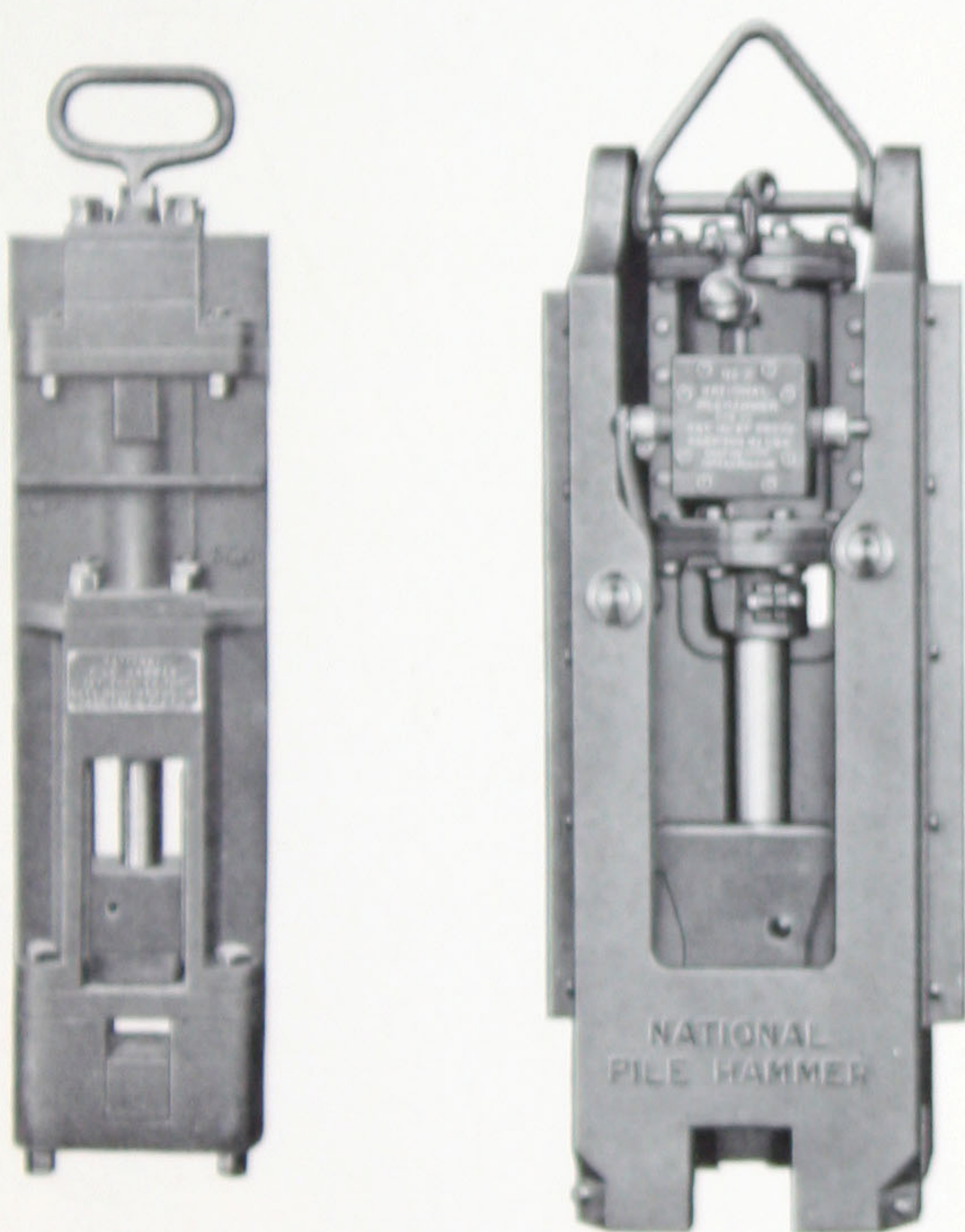
Gasoline Hoist

Illustration shows double drum hoist equipped with four cylinder gasoline engine. Single drum can be furnished and additional drum added in field. Capacity, 2,000 lbs. at 175 feet per minute.



Electric Motor Driven Hoist

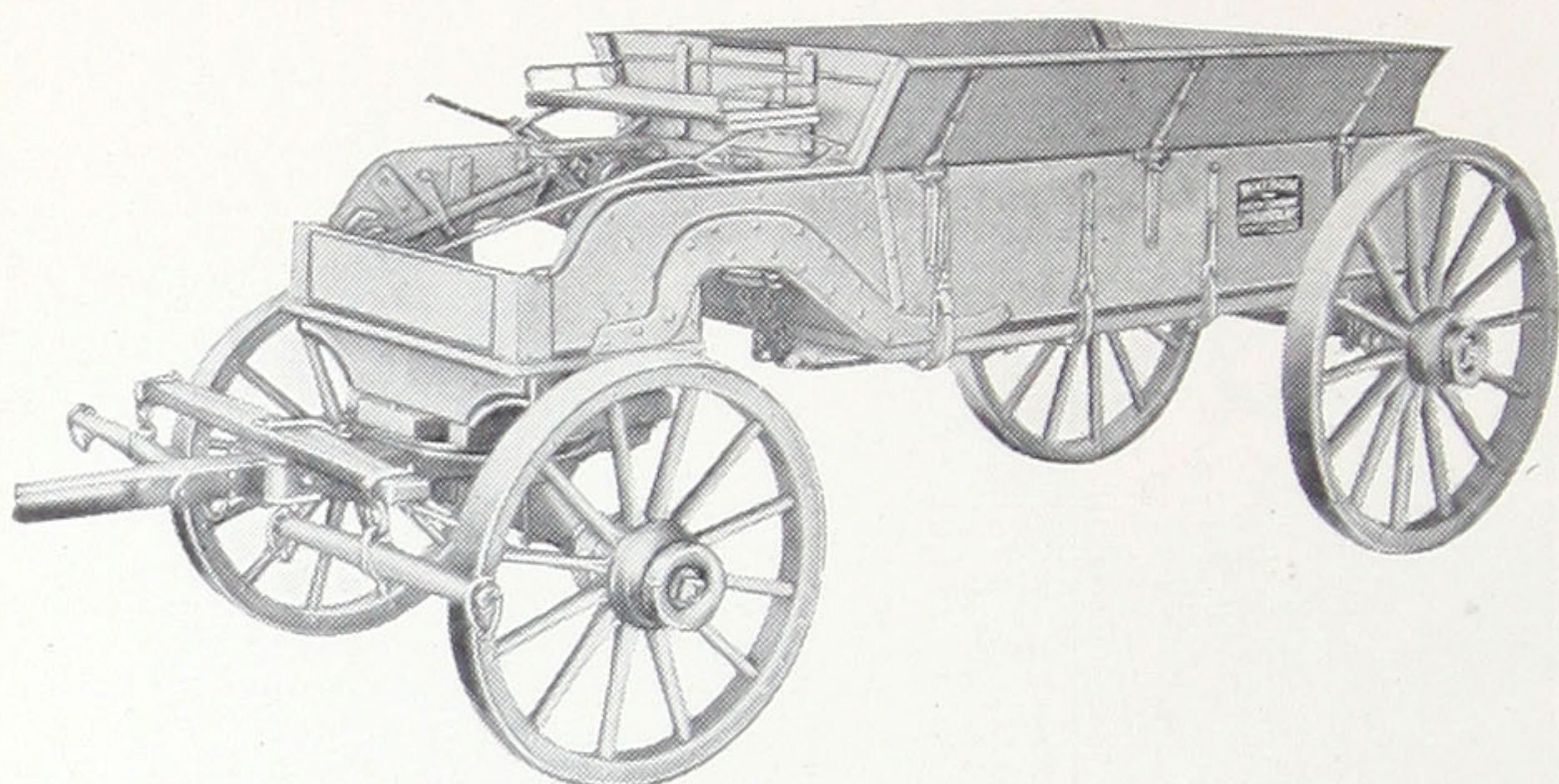
Shown in illustration with single drum; the second drum can be added in the field. For quotations state current—a.c. or d.c.—volts, phase, capacity required, single or double line.



National Steam Pile Hammers

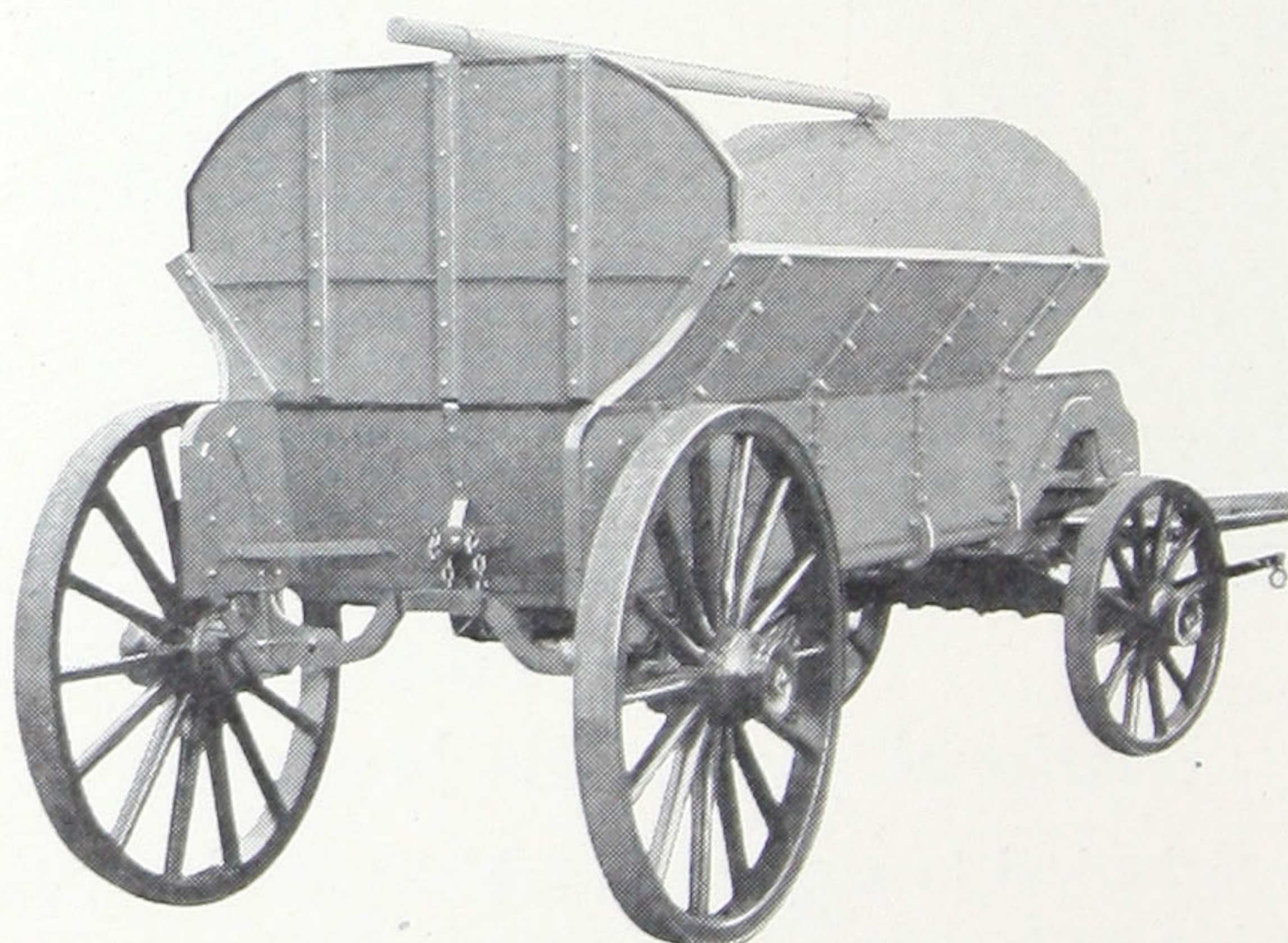
are to be had in seven sizes. Write for descriptive catalog. Give sizes.

Size No.	Total Weight (Pounds)	Weight of Ram (Pounds)	Dimensions Over All- (Inches)			Cylinder		Number of Strokes per Minute
			Height	Width	Depth	Diam.	Stroke	
1	8,000	1,500	94 x 26 x 26			9 x 16		115
2	5,500	1,100	81 x 24 x 24			7 1/4 x 12		150
3	3,500	575	73 x 20 x 17 1/2			6 x 10		170
4	1,500	310	60 x 16 x 16			4 1/2 x 9		200
5	800	145	46 x 14 1/2 x 13 1/2			3 1/2 x 7		250
6	650	80	52 x 11 x 7			3 1/4 x 6		300
7	150	20	37 x 9 x 4 1/4			2 1/4 x 4		400



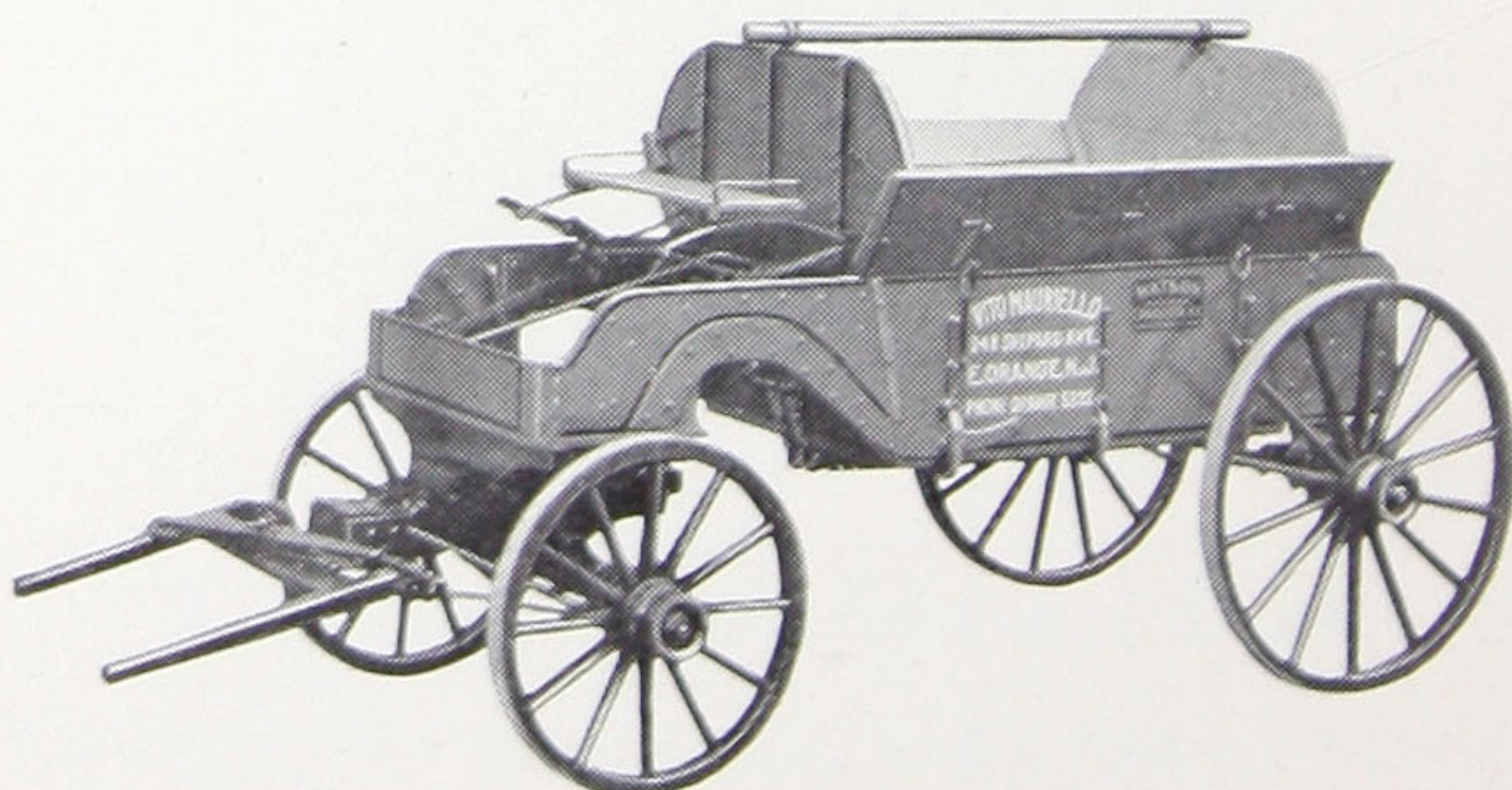
1 1/2-Yard Bottom Dump Wagon

Strongest and lightest dump wagon made. Biggest clearance with bottoms down. Watson sales every year since 1890 bigger than those of any other dump wagon. There's a reason.



Special Ash Wagon

Four or five-yard capacity. With or without crown ends. Strong but light. Giving satisfaction throughout the civilized world.



One Horse Ash Wagon

Very convenient for institutions, estates and small villages. Sixteen-inch clearance with bottoms down. No stalling on the dump.

Send for catalog and prices.

ERIE STEEL CONST. CO.



Erie Aggre-meter for Measuring Materials

Storage capacity from 15 to 115 tons. With one-man operation will load a 5-ton truck, 4, 5 or 6 batches in less than one minute. Is portable and can be easily taken down and erected in a very few hours.



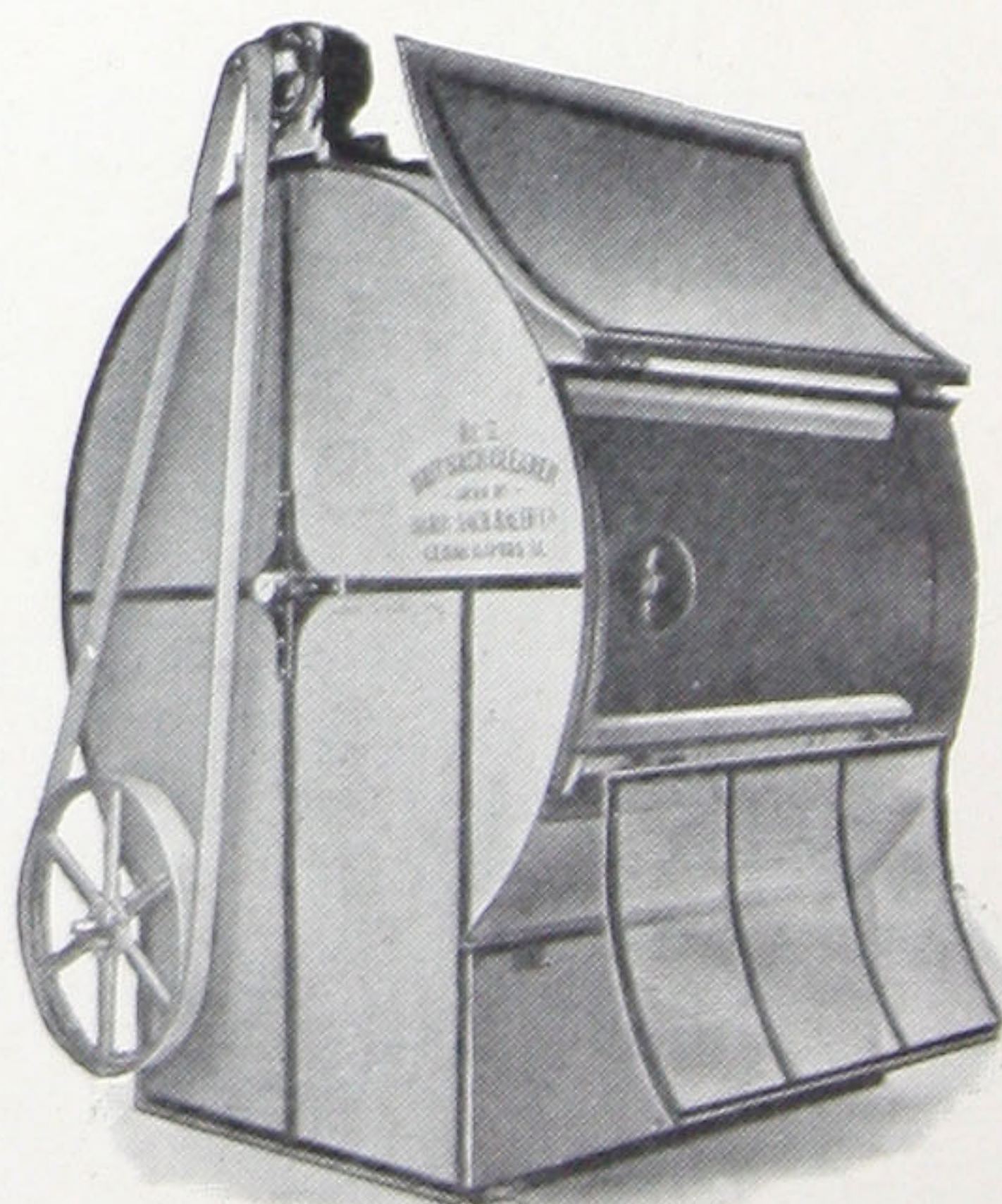
LEE T. WARD CO.

HANDY SACK BALER CO.



The Handy Sack Baler

One down thrust of the foot does the business. It folds the empty sacks around a central rod, keeping the sacks smooth and more easily inspected than when crushed into a wad. The standard size bales fifty cement sacks.



Unit Sack Cleaner

Saves from 10 to 15 sacks of good cement out of 1,000 bags cleaned. Saves freight on bags returned, saves mill rejections and enables men to work in comfort. Made in five sizes. Catalog upon request.

LEE T. WARD CO.

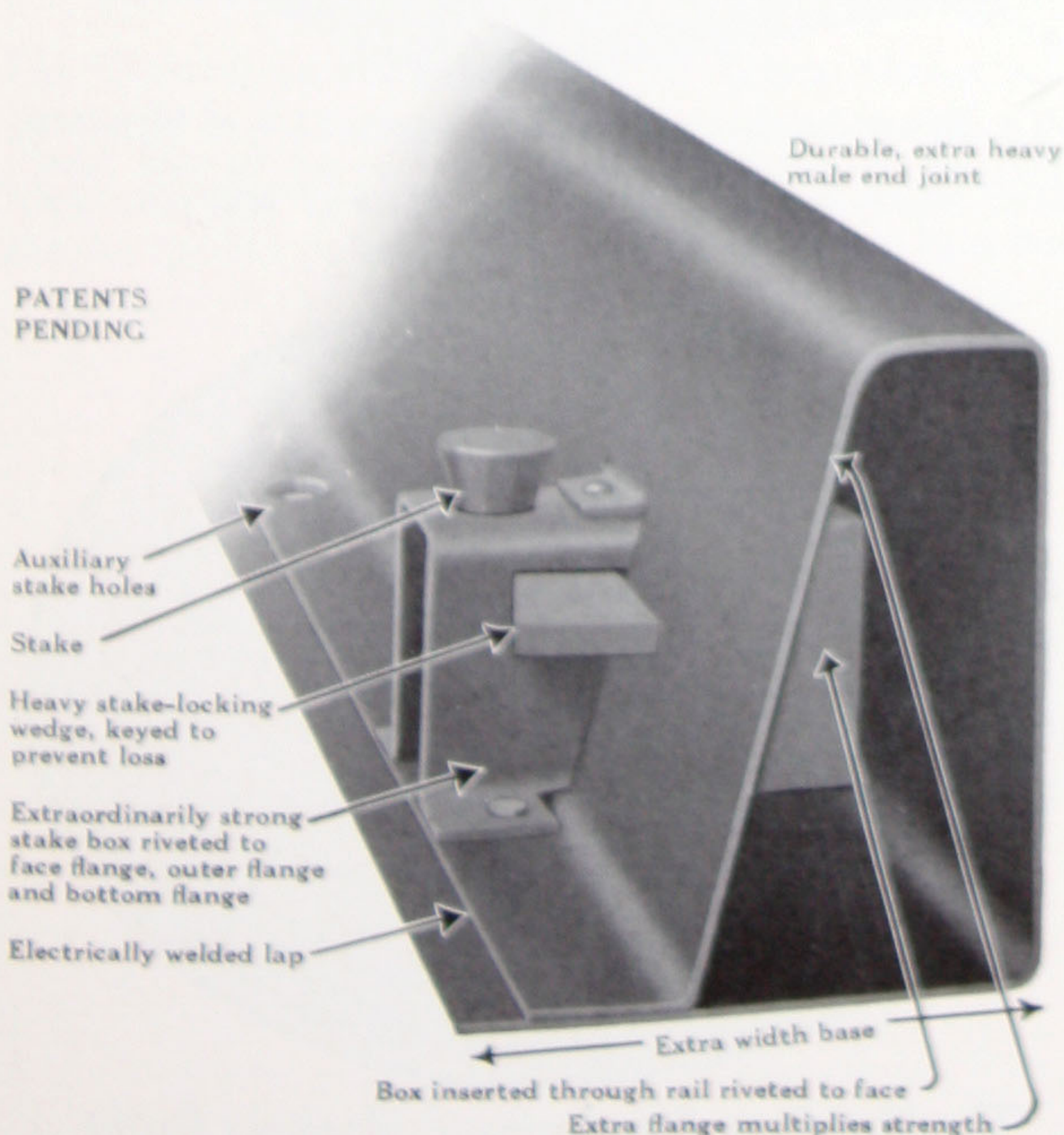
METAL FORMS CORP.



Metaform Road Rails

Engineered to Endure

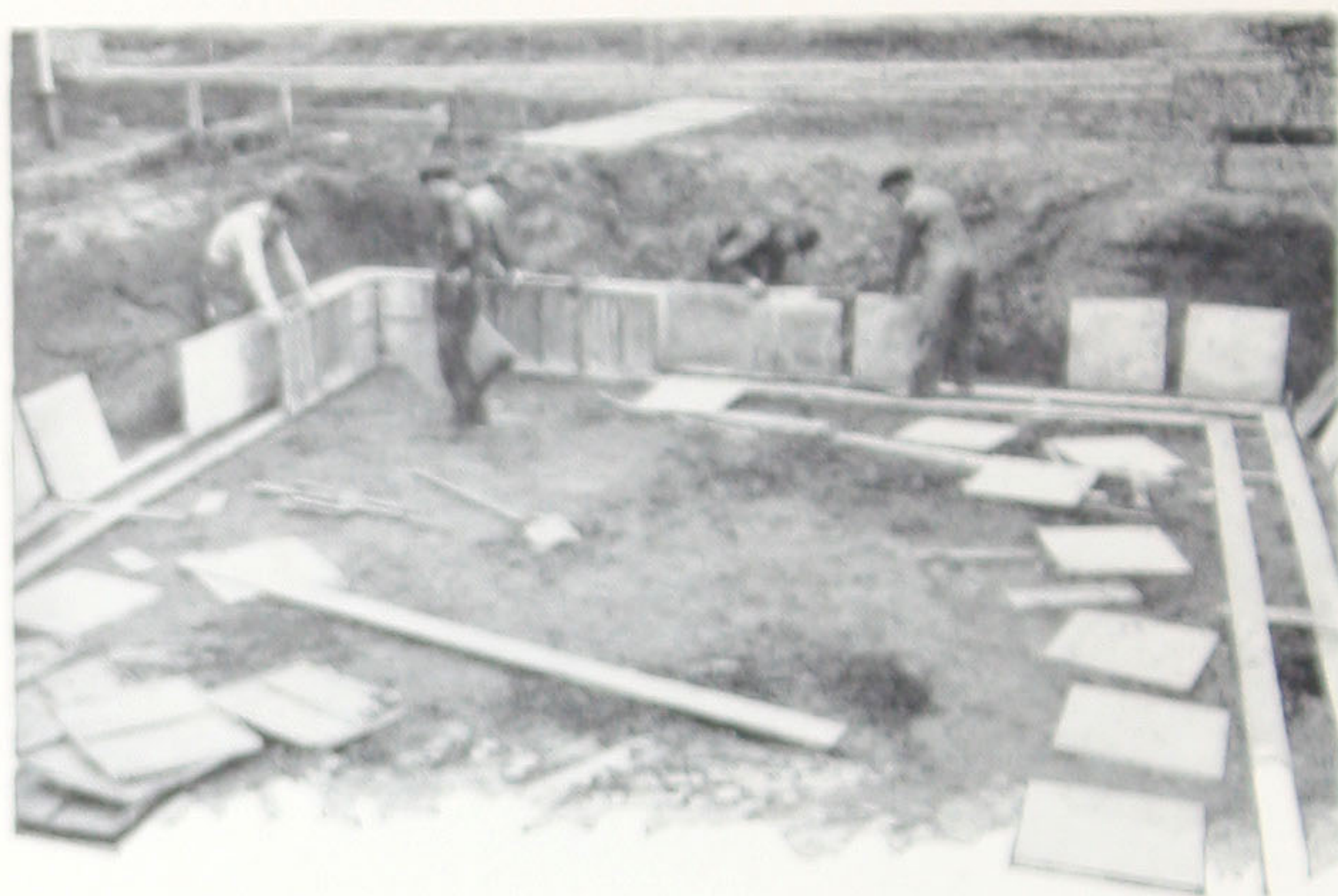
Enormous initial strength made permanent by tubular construction, box-bracing extensive riveting and electric welding.



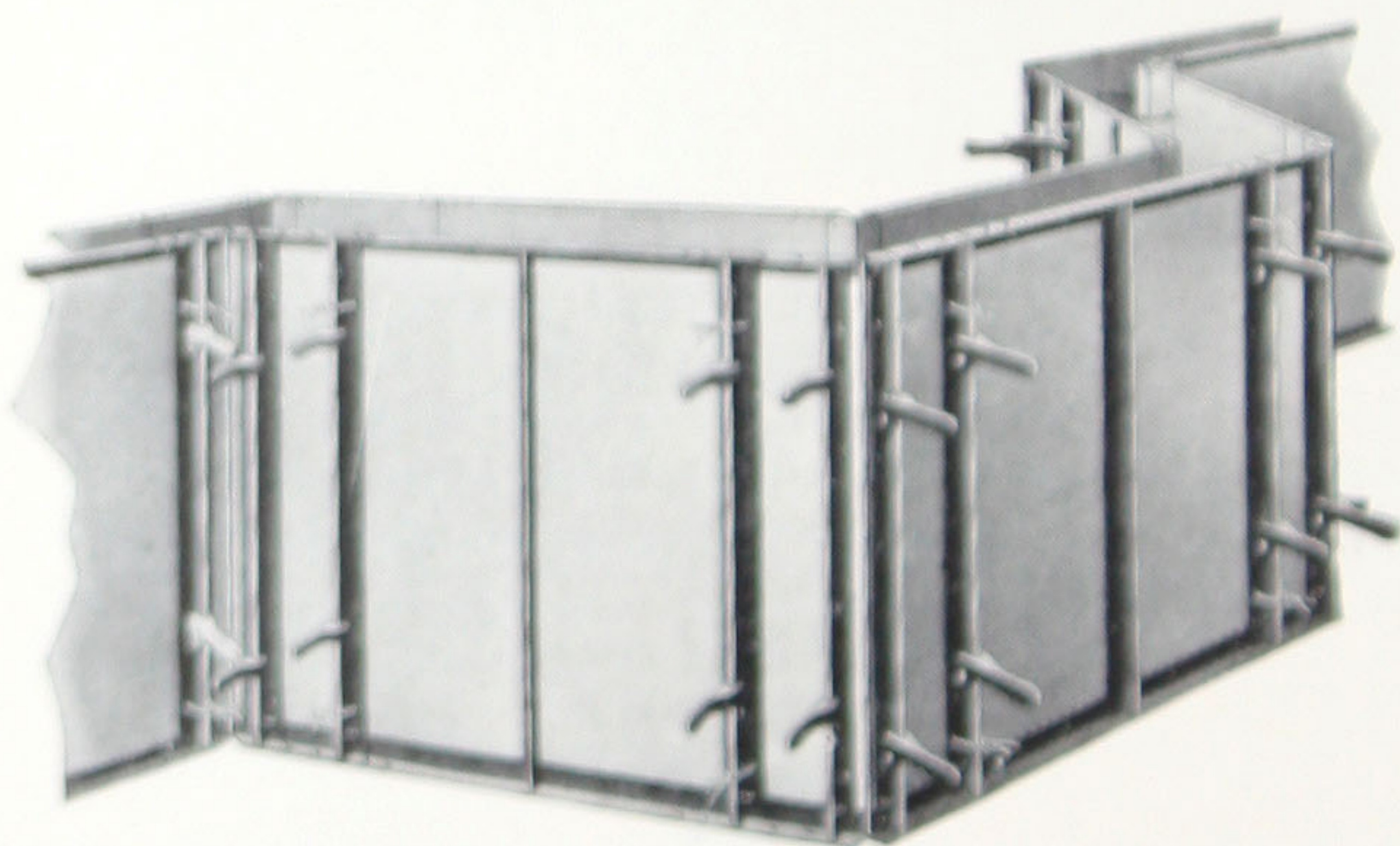
This end view shows the solid construction.

LEE T. WARD CO.

METAL FORMS CORP.



This illustration shows Metaforms used in straight wall construction.



This illustration shows the unique construction of Metaform Wall Forms, which permits them to be set up and taken down at a saving of 75% over wood forms. Will rent, with option of purchase.

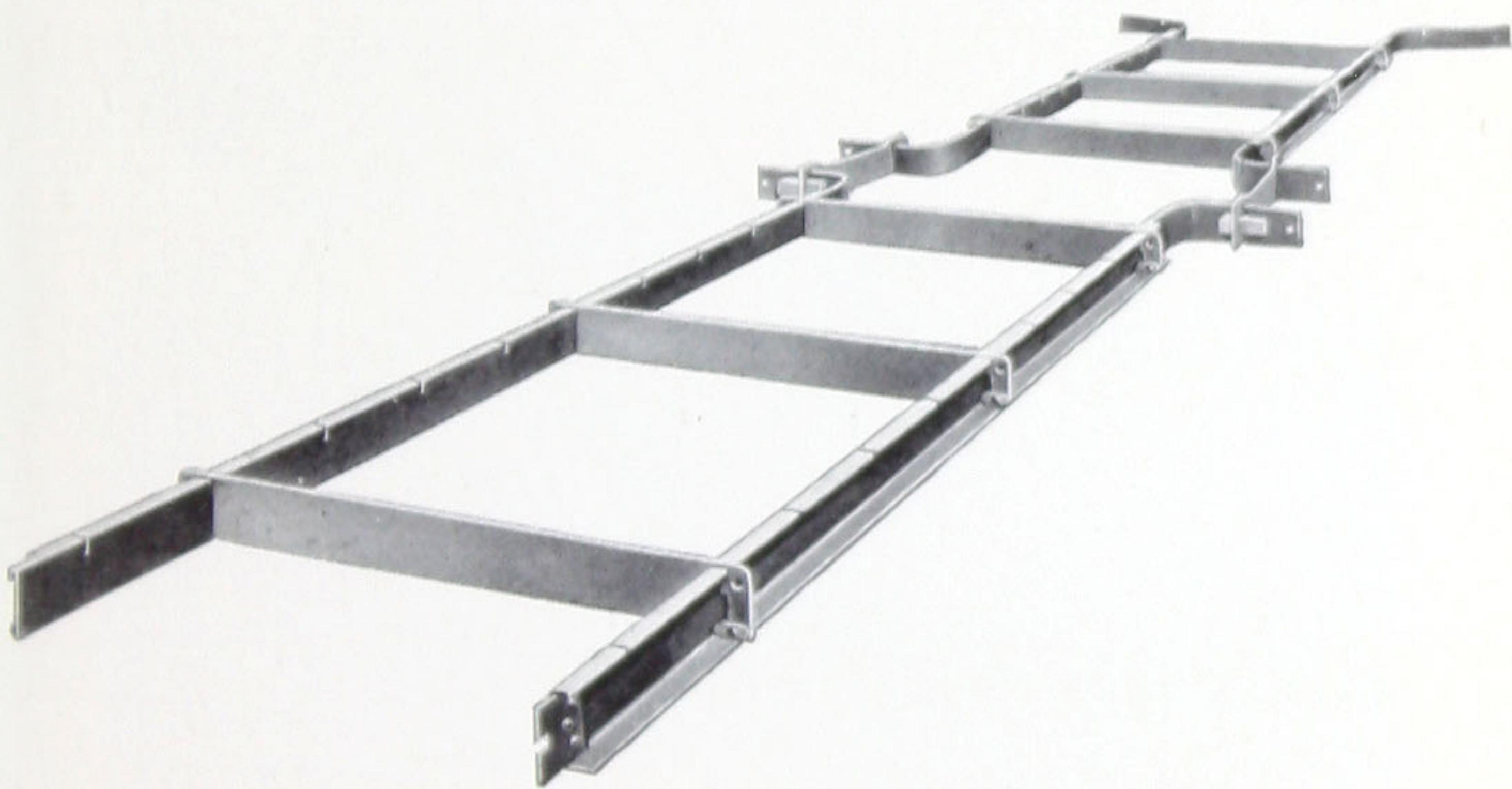


The Metaform Standardized Manhole Outfit

Enables you to build manholes faster, easier and cheaper. Two men can set up a form ready for concrete in one hour. We sell or lease Metaforms.

LEE T. WARD CO.

ZEISER FORM CO.



Zeiser All Steel Sidewalk Forms

The illustration shows a series of Zeiser Forms set up ready for concrete. Note the simplicity of the whole arrangement and the ease with which corners can be turned or the blocks divided.

Curb and Gutter Forms

Send your specifications: Height of back and front rails, straight or battered division plates, size of header rail.

LEE T. WARD CO.

BYERS MACHINE CO.



Byers Auto-Crane, Model 3-A

You know the "Auto-Crane's" good reputation—it was the pioneer half-circle crane away back years ago, and constant improvements have kept it right in the lead. Nearly a thousand of these machines have been sold—most of them in active service today.

Capacity, 3 tons. Can be furnished for operation by steam, gasoline or electricity at purchaser's option, and for mounting on road wheels (as shown above); rail trucks of any gauge; or caterpillars. Boom is latticed steel construction, as shown. Will take all standard attachments within its capacity.

LEE T. WARD CO.

BYERS MACHINE CO.



Byers "Truckcrane"

Mount it on a motor truck chassis and "take the crane to the job." The "Truckcrane" is of 2½ tons capacity—sturdy, reliable construction—designed and built to fit the frame of any standard motor truck of 5 tons or greater, and having a length of 9 feet 6 inches or more from rear of driver's seat to center of rear axle.

A second-hand motor truck will answer as well as a new one. The total cost of "Truckcrane," bucket and chassis is surprisingly small—its ability to do fast, clean work is surprisingly big!

Use it for coal unloading or stocking; handling loose materials of all kinds; ashes or refuse handling; snow removal, and dozens of other jobs now done by hand labor. If you have scattered jobs let one or more "Truckcranes" take care of the whole lot—move them from place to place at truck speed. The driver can operate the "Truckcrane" if desirable.

The picture shows "Truckcrane" owned and operated in Philadelphia by Contractor Harry C. Hambridge.

Interesting facts in new Bulletin. Ask for it.

LEE T. WARD CO.

BYERS MACHINE CO.



Byers Full Circle Crane, Model 10

Byers Full Circle Crane—a regular “whirlwind” for performance and service! Big, sturdy, capable—strong and dependable, the way Byers builds *all* cranes.

Capacity, 10 tons; furnished for operation by either steam, gasoline or electricity, and for mounting on road wheels, rail trucks (for any gauge track) or caterpillars—either half-length with road wheel steer or full length. Will take clamshell, orange peel or dragline bucket, hook, skip, magnet, pile driver leads or other standard attachment.

Interesting Bulletin, with detailed specifications, gladly sent on request.

LEE T. WARD CO.

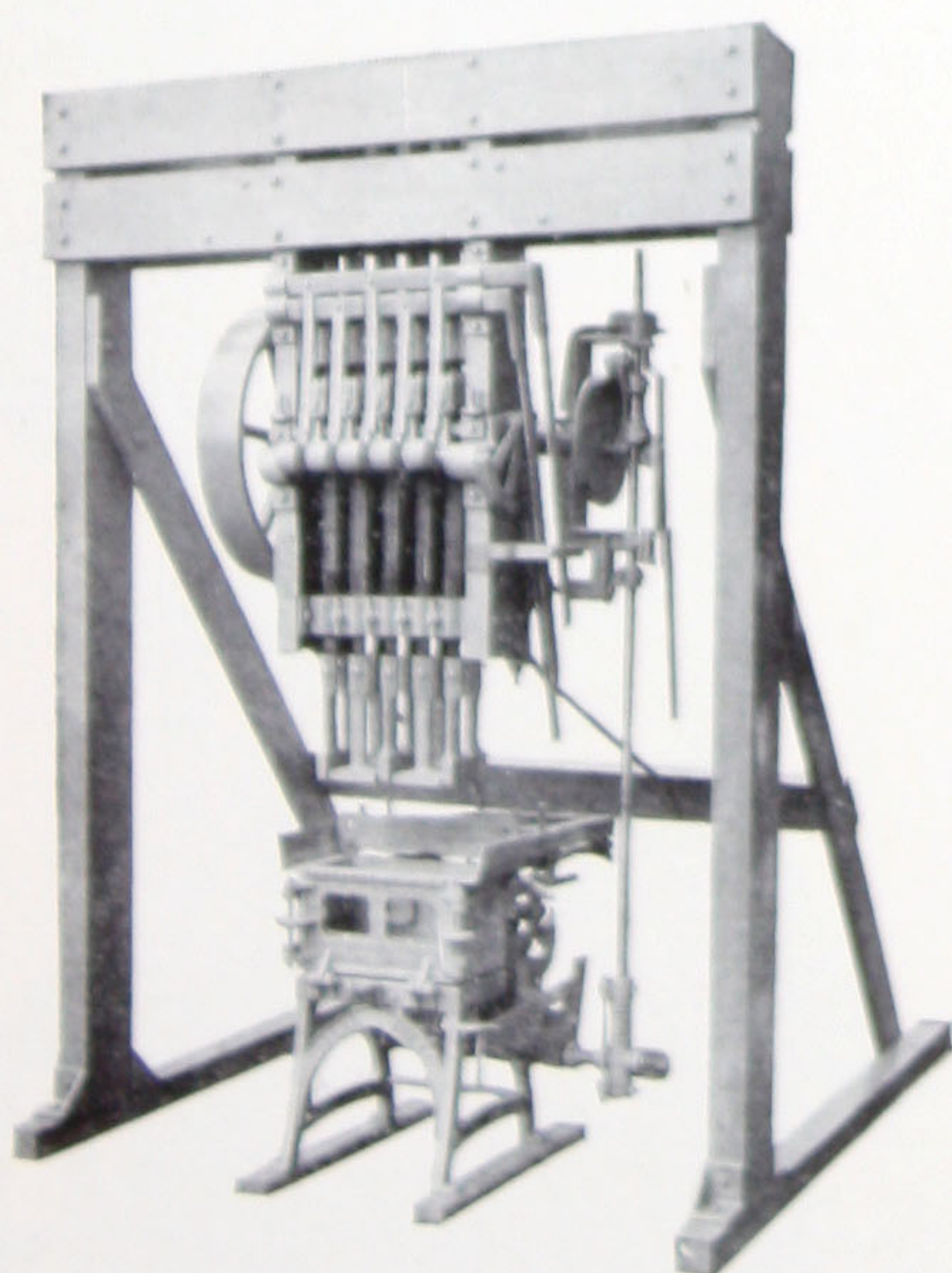


**Ideal
Standard Concrete Block Machine**

Furnished in two sizes—

8 x 8 x 16 inches

8 x 12 x 24 inches



Ideal Tamper and Block Machine

With scraper and finisher attachment.

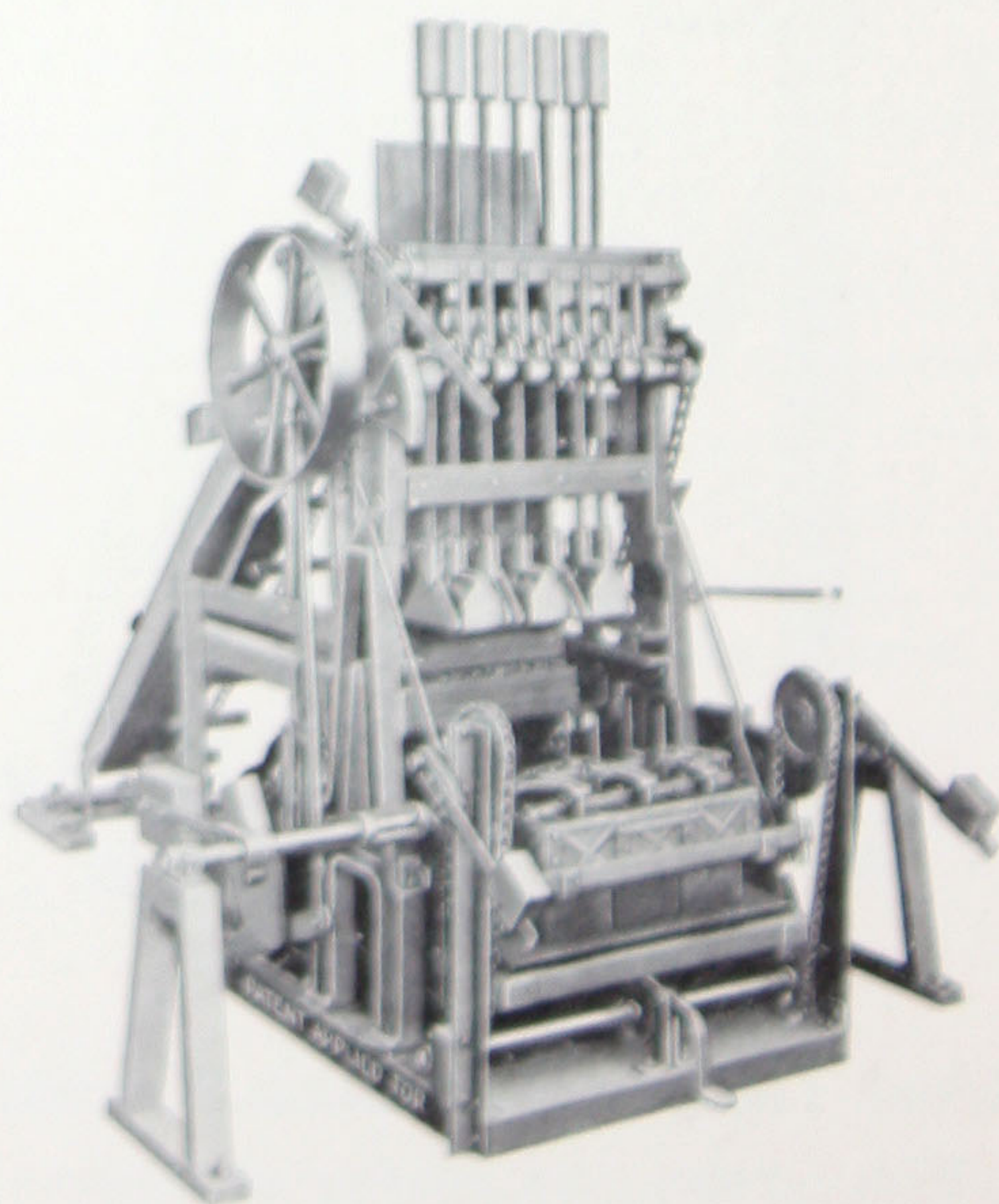


Square Antique Flower Box Mould



Junior Grecian Flower Box Mould

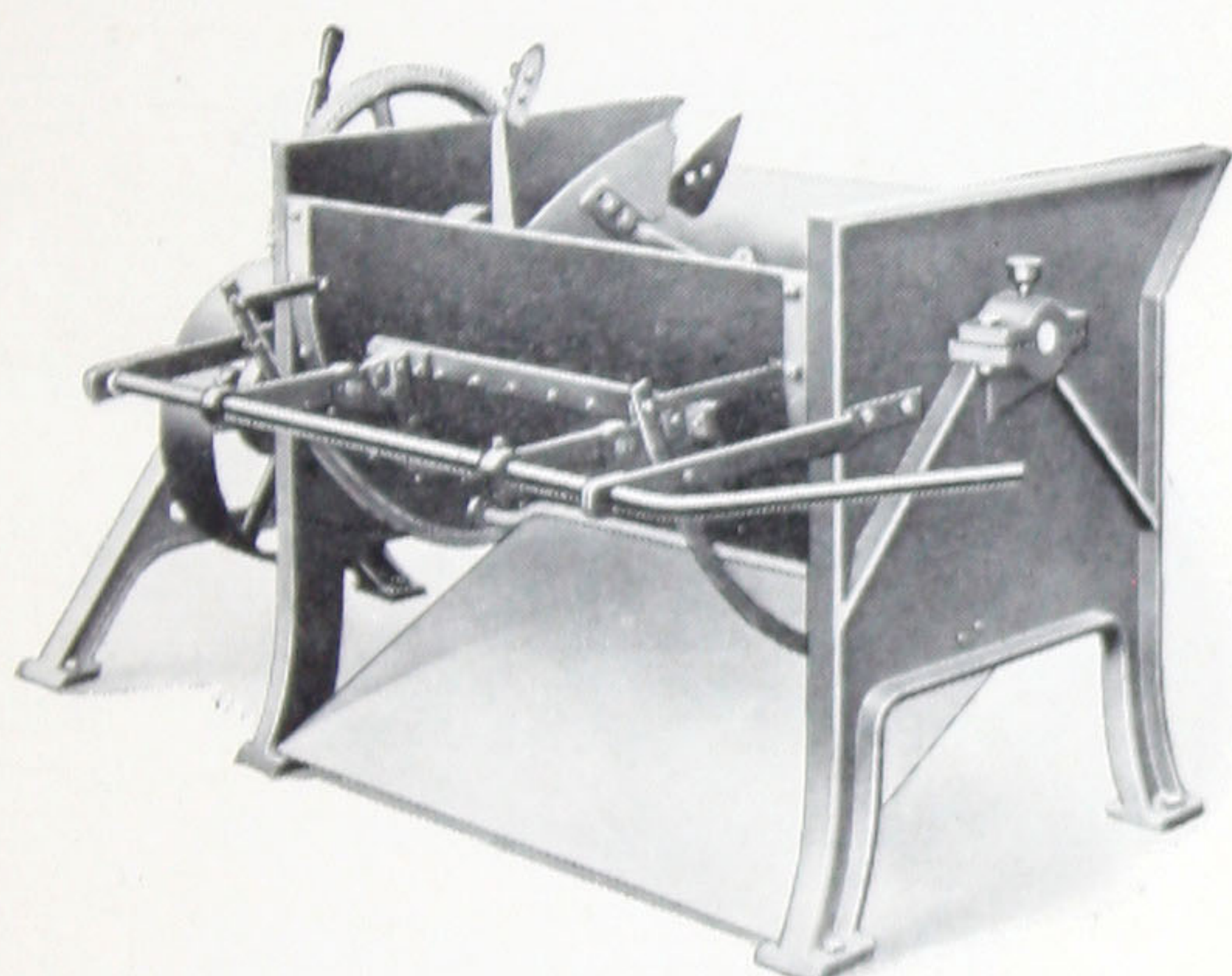
Send for mould catalog showing different designs.



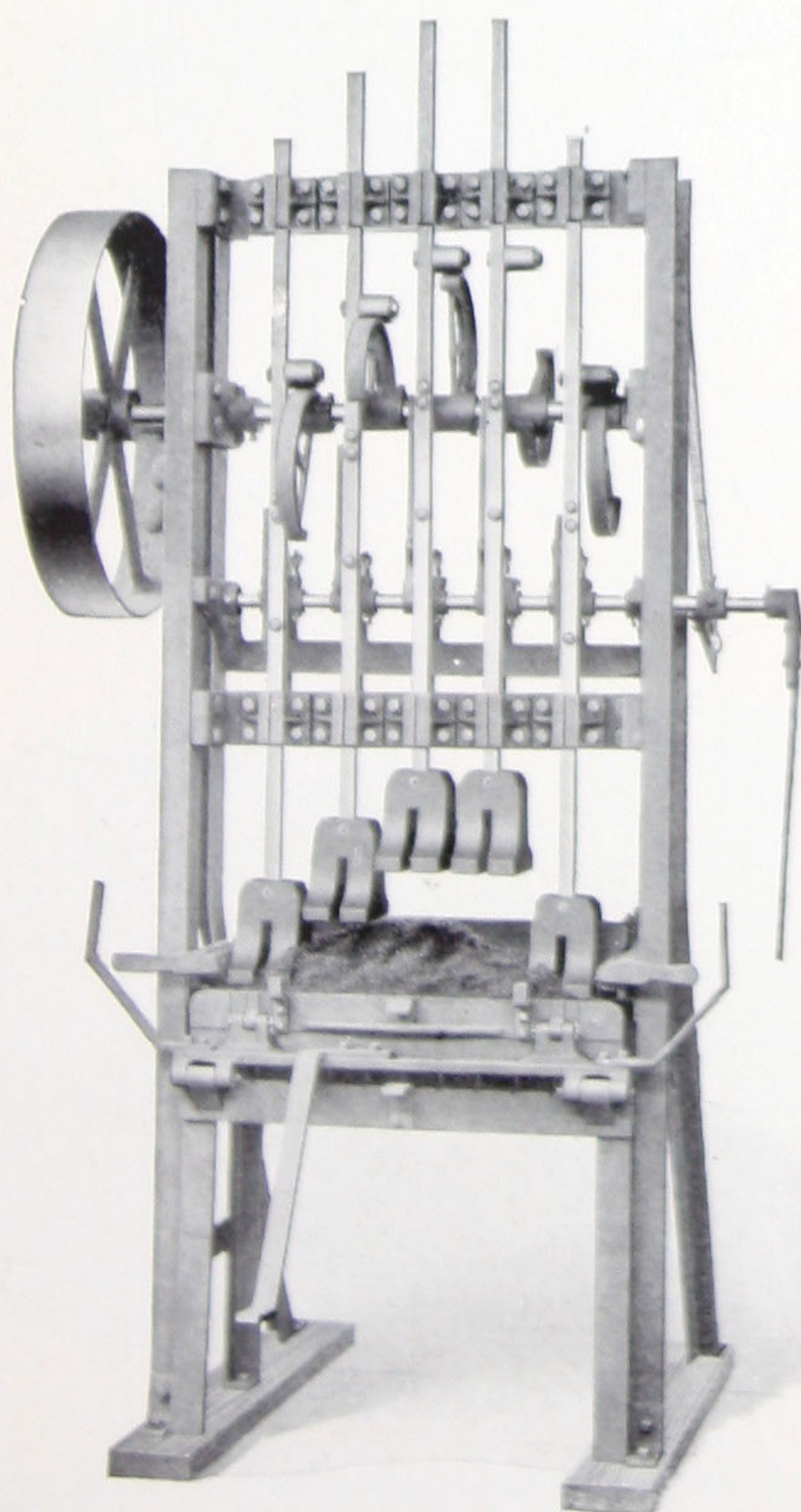
Ideal Automatic Building Tile Machine

Produces three tiles per tamping.

IDEAL CONCRETE MCHY. CO.



Ideal Paddle Mixer for
Block Plant Work

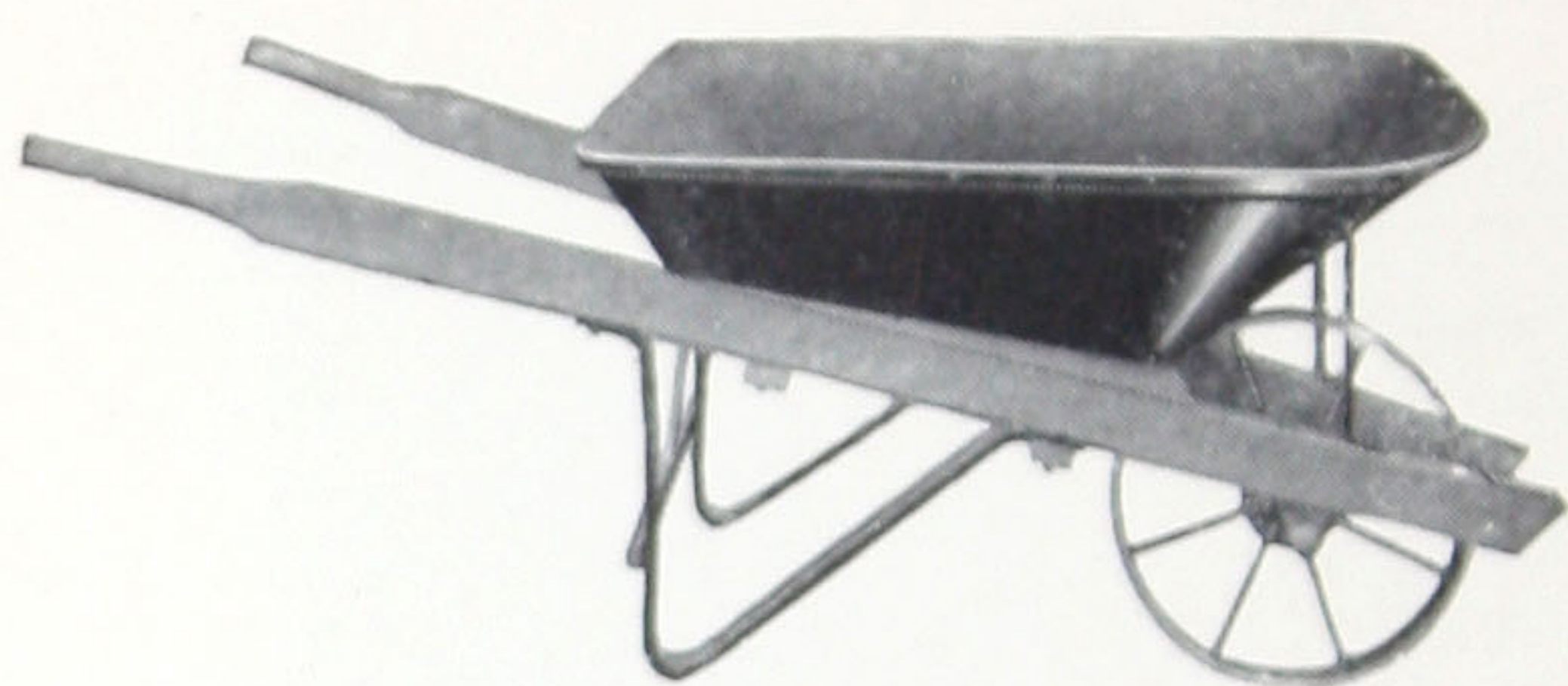


Ideal Concrete Brick Machine

Hand or power. Size of brick, $2\frac{1}{4}$ x 4 x 8 inches.

LEE T. WARD CO.

AKRON BARROW CO.



No. 173

General Purpose Barrow

Built in 3 and 4 cubic foot sizes.

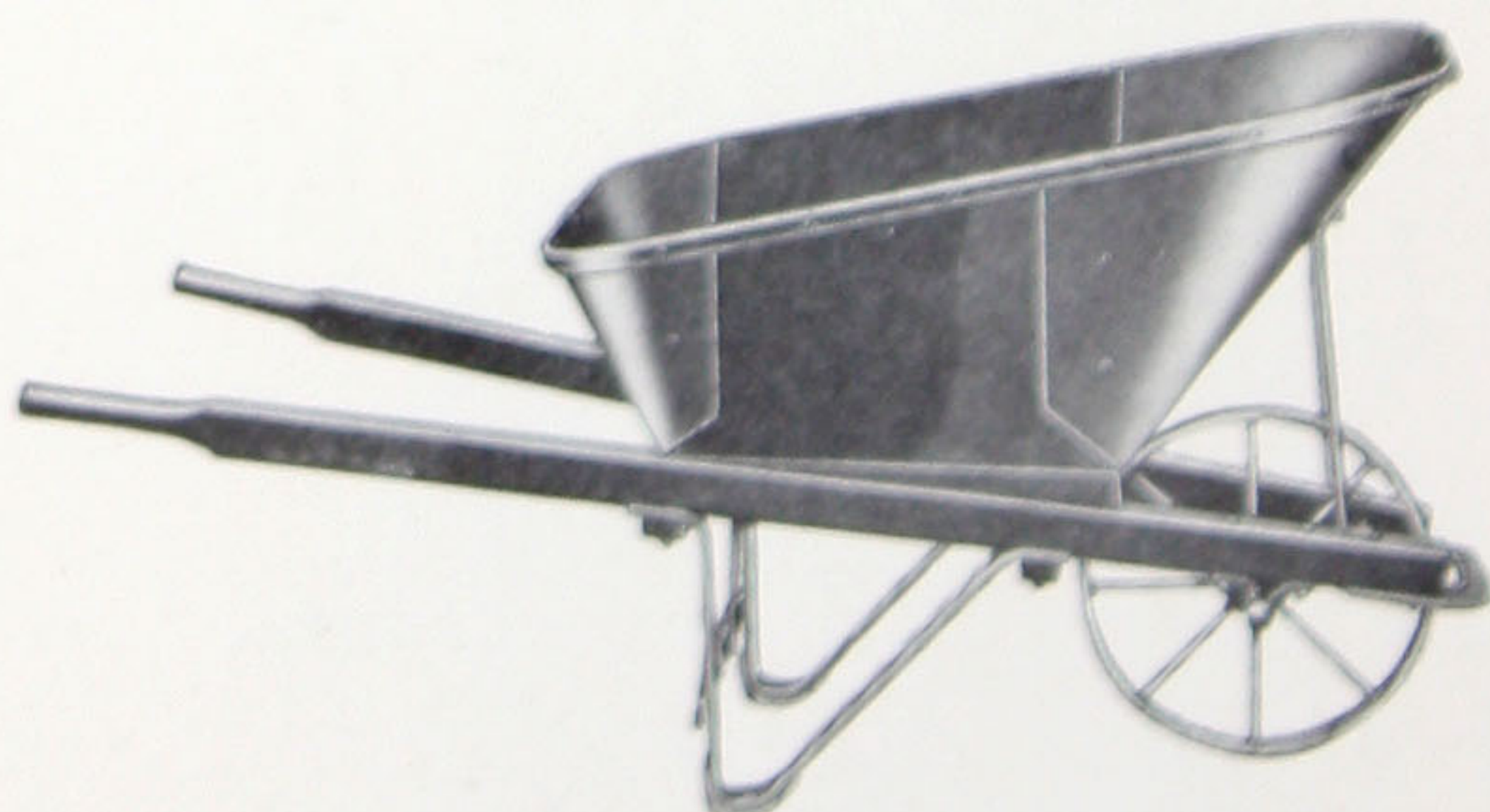


No. 185

For pouring concrete into forms.

No. 184 Square Nose

No. 185 Round Nose



No. 188

Mortar Barrow

Capacity, 4 cubic feet liquid in wheeling position.
Biggest mortar barrow built.

LEE T. WARD CO.

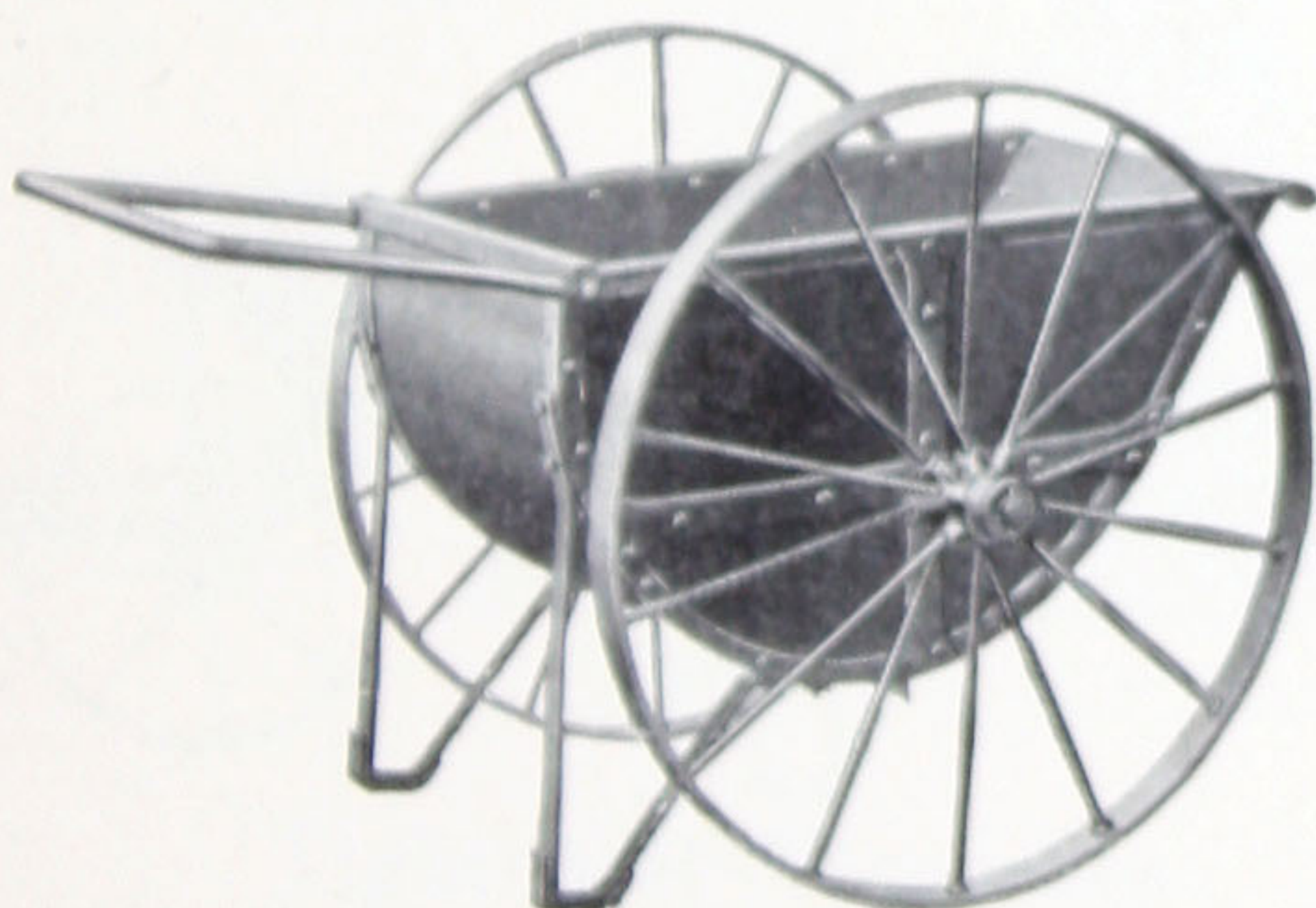
AKRON BARROW CO.



No. 190

Brick and Tile Barrow

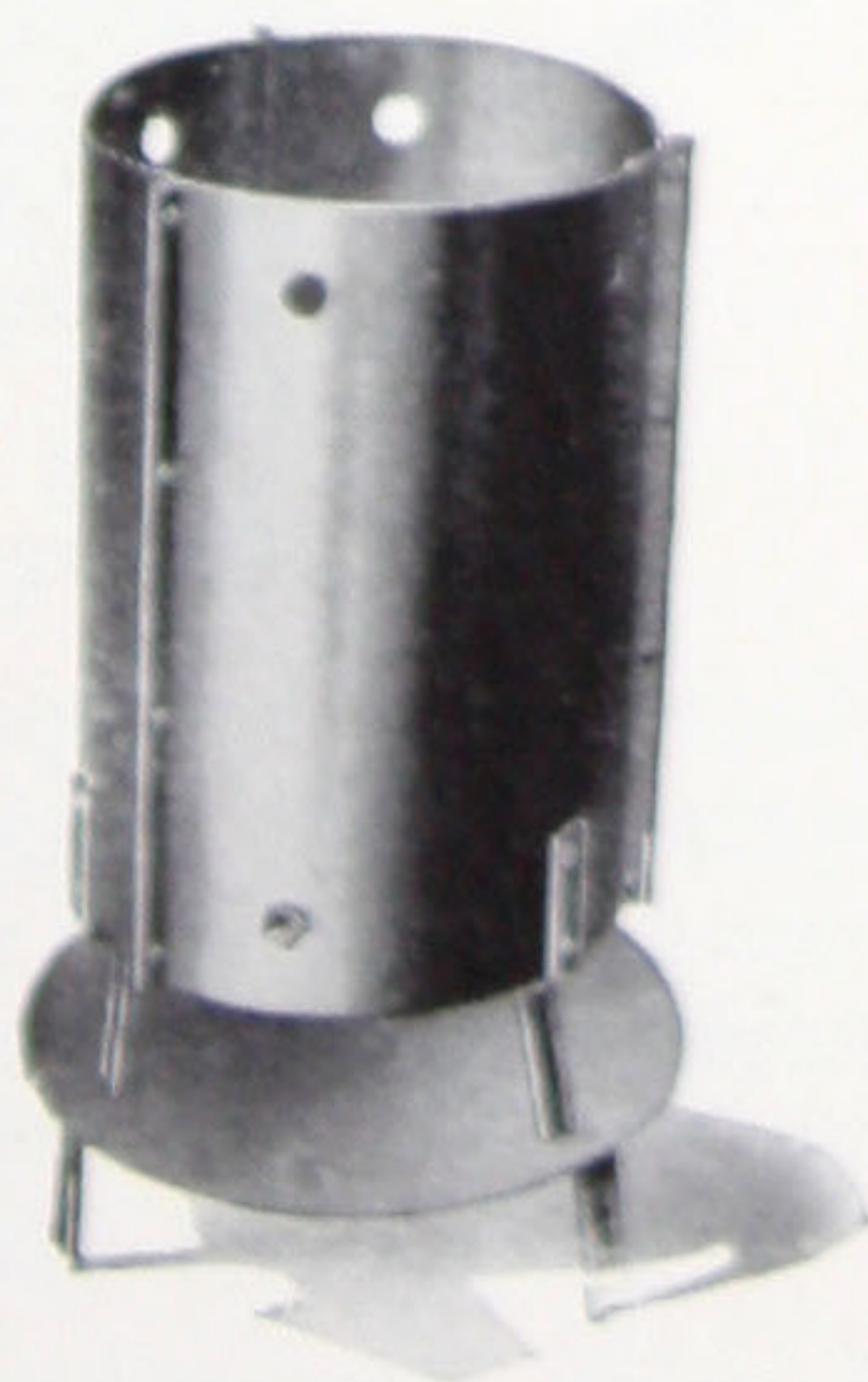
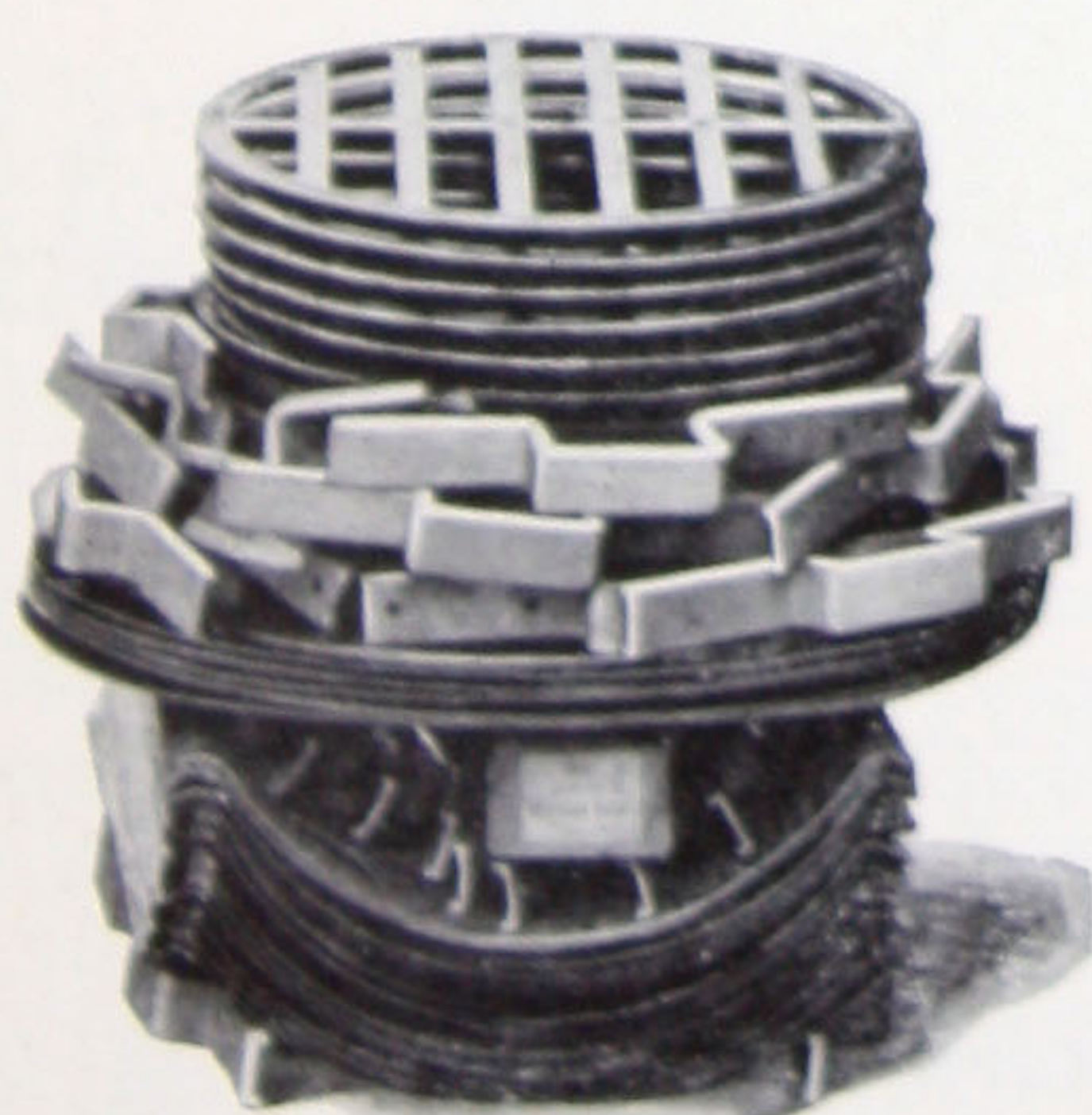
Built expressly for large loads of tile, brick and stone.



No. 200

Concrete Cart

Capacity, 6 cubic feet. Either 36-inch or 42-inch wheels. No centre axle.



No. 17

Salamander

Built in 14-inch and 17-inch sizes. Easily and quickly set up and taken down. One dozen knocked down may be stored in the space of one salamander set up.

LEE T. WARD CO.

AKRON BARROW CO.



No. 13

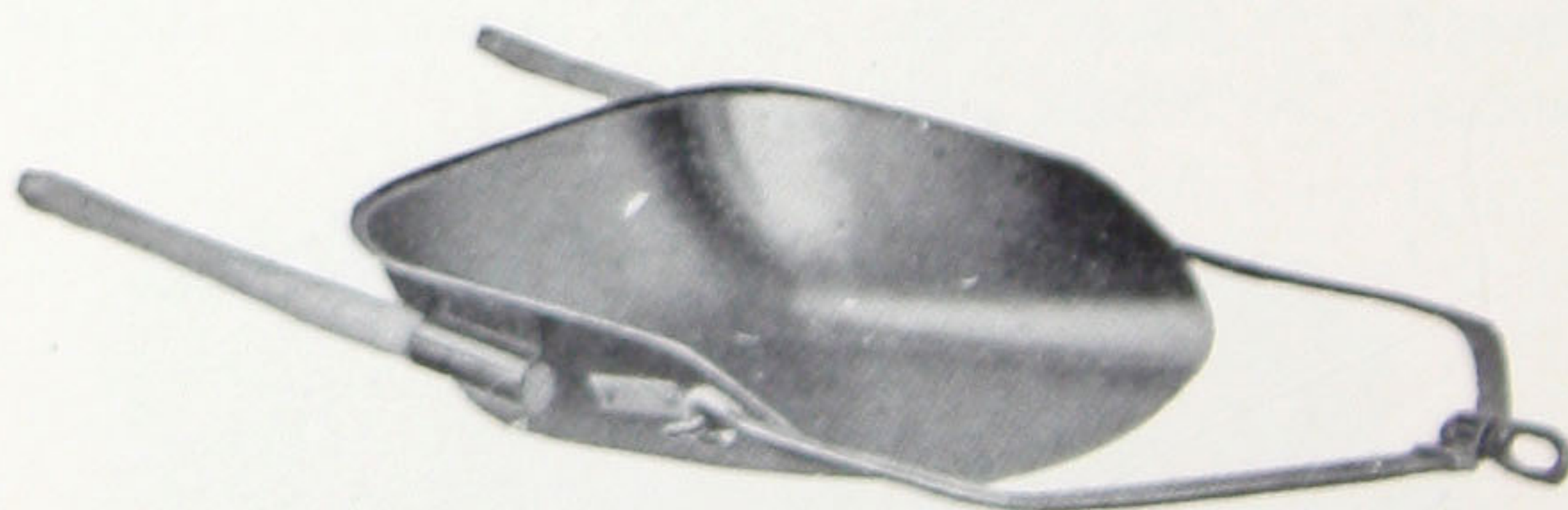
Akron All Steel Tubular Barrow

Built for rugged use. Copper content, rust-resisting steel tray. The tray has full bearing on four sides, an exclusive Akron feature. Heavy channel steel legs with removable shoes.



No. 13 X

Same construction as No. 13, but lighter in weight.



Akron Drag Scrapers

Made of the best quality high-carbon scraper steel, equipped with hardened steel runners. Handles round, turned hard wood, fastened at sides. Forged steel bail, extra heavy. Malleable iron swivel.

SPECIFICATIONS

	Scraper No.	Capacity of Bowl	Dimensions of Bowl			Weight Approx.
			Length	Width	Height	
LIGHT	312	3 c.ft.	32"	26"	9½"	69
DRAG	511	5 c.ft.	32"	30"	9½"	73
SCRAPER	711	7 c.ft.	34"	33"	10 "	80
HEAVY	310	3 c.ft.	32"	26"	9½"	74
DRAG	510	5 c.ft.	32"	30"	9½"	85
SCRAPER	710	7 c.ft.	34"	33"	10 "	88

LEE T. WARD CO.

UNIVERSAL FORM CLAMP CO.

Form Clamp

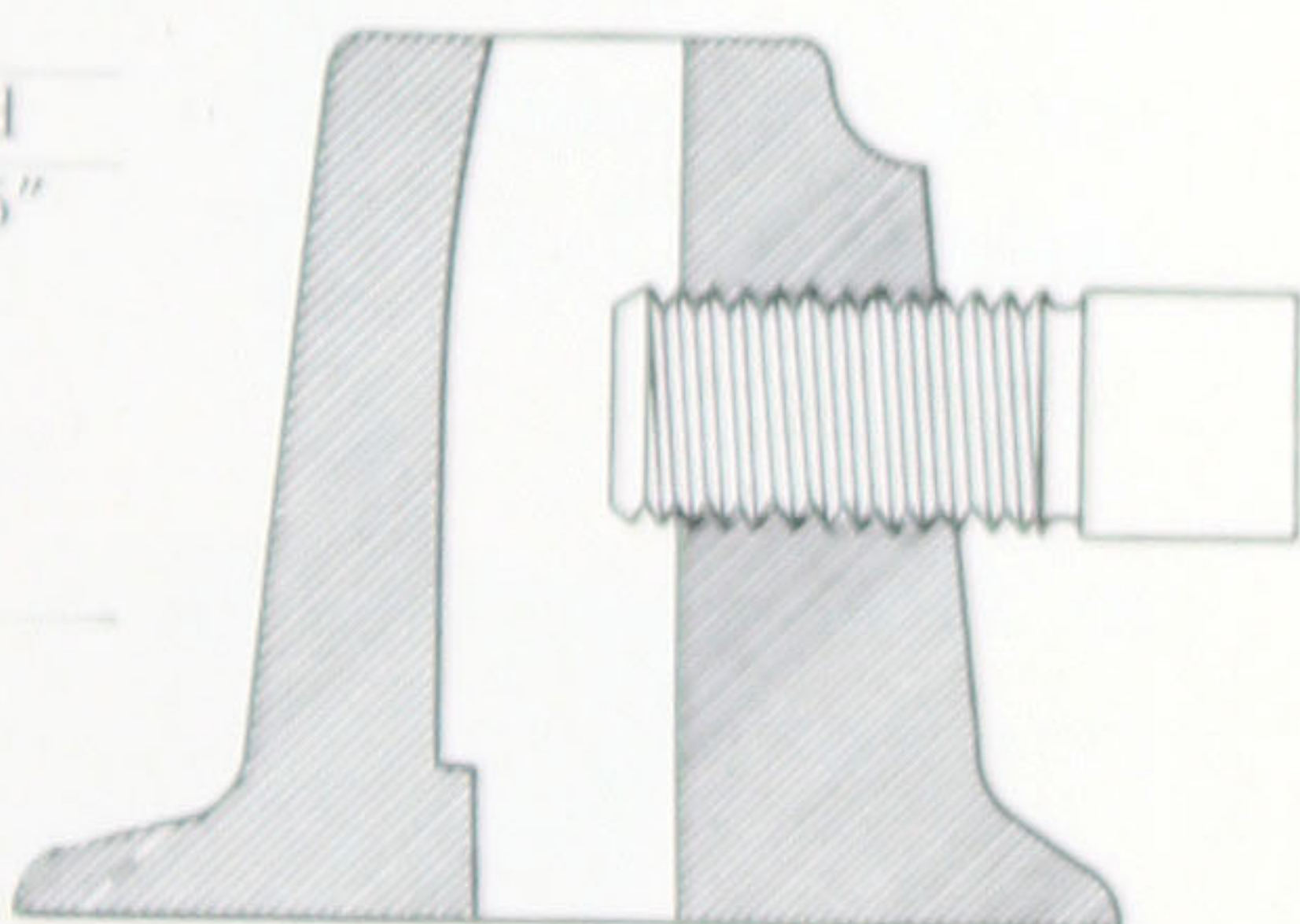
"They hold until the rod breaks."

Made in Five Sizes.



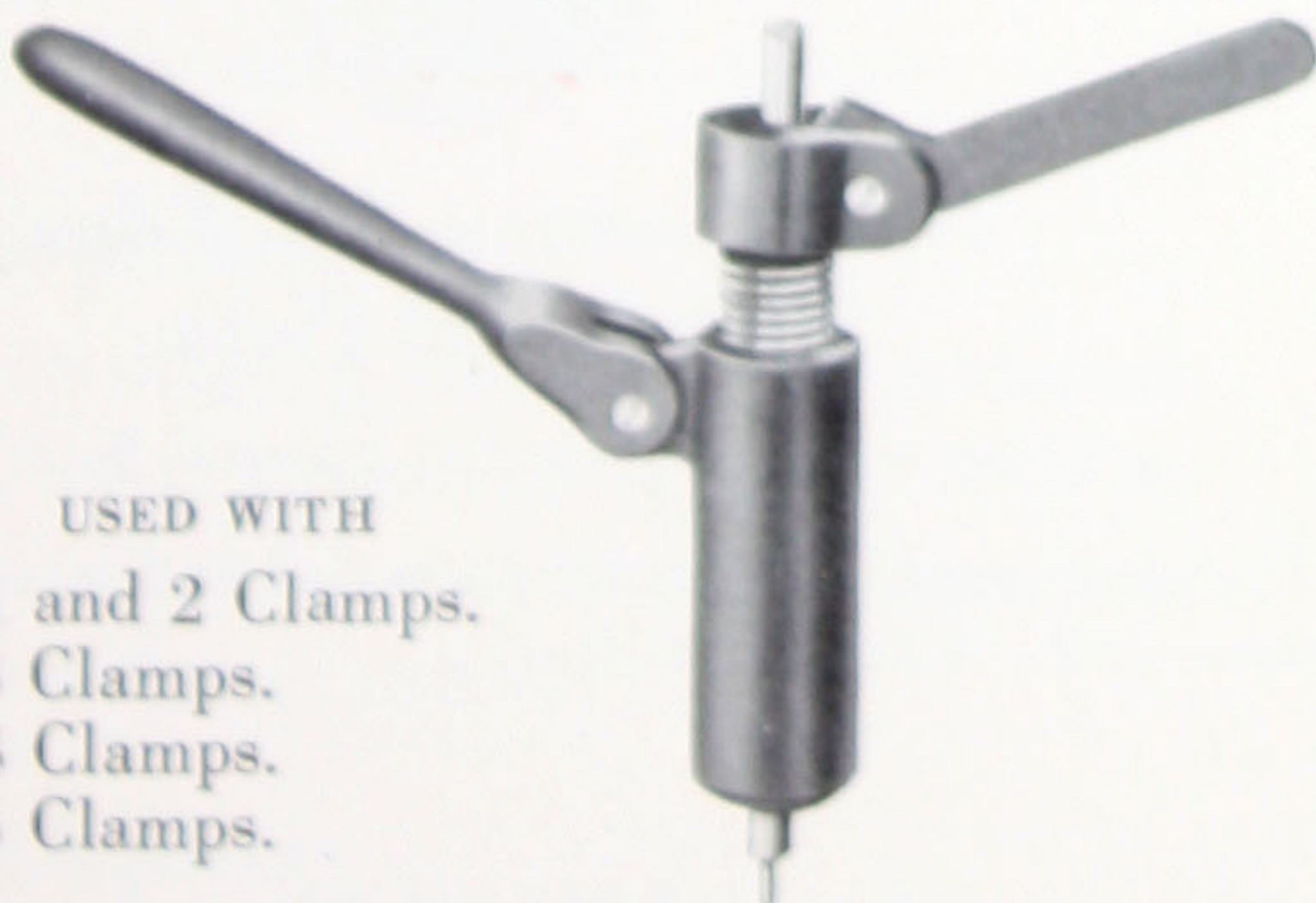
The Universal Form Clamp is a simple patented casting with a flanged bearing surface, an oval hole through which a plain rod is passed and a set screw threaded into this hole. The load is carried by the shoulders and not the set screw.

Size	Size of Rod
1	1-4" and 5-16"
2	3-8"
3	1-2"
4A	5-8"
4X	5-8"
5	3-4"



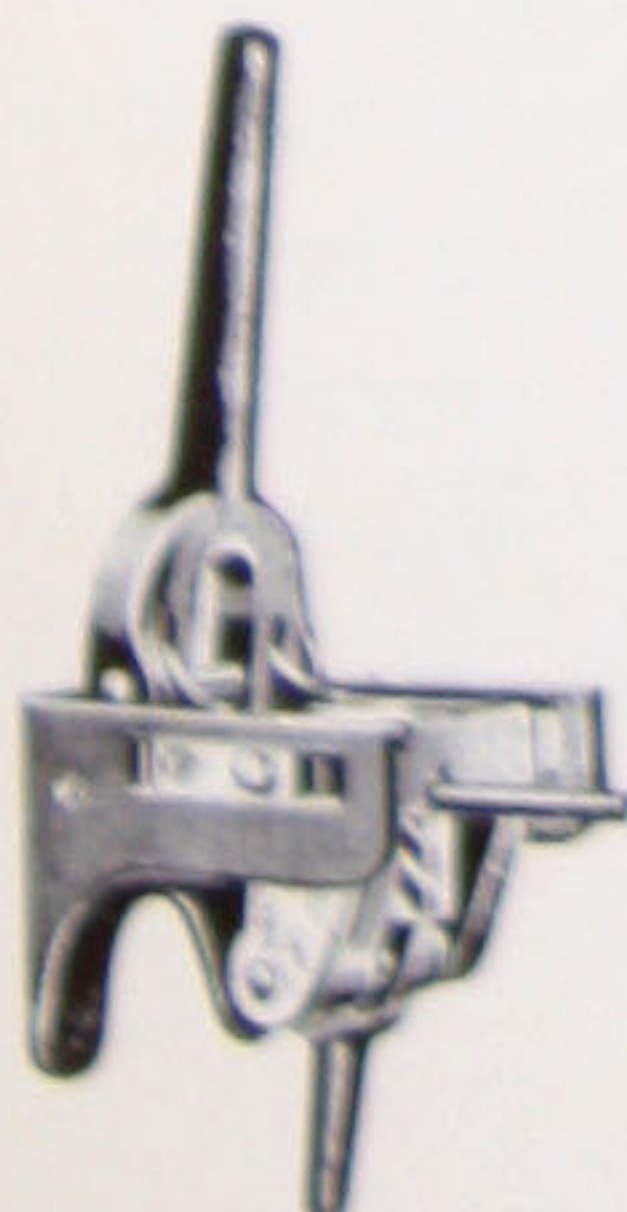
Cross section of clamp.

Tightening Wrenches



SIZE	USED WITH
1	No. 1 and 2 Clamps.
2	No. 3 Clamps.
3	No. 4 Clamps.
4	No. 5 Clamps.

Rod Pullers



No. 1—For light work, such as for pulling rods $\frac{1}{4}$ -inch to $\frac{1}{2}$ -inch not longer than 4 feet.

No. 2—For heavy work, takes $\frac{3}{8}$ -inch to $\frac{3}{4}$ -inch rods.

When ordering Rod Pullers be sure to state size of rod on which they are to be used so proper size jaw may be sent.

LEE T. WARD CO.

LEE T. WARD CO.



The Wyoming Red Edge Shovels and Picks

"The ones you always wanted to try"

They are made of special material and simply won't wear out. Carried in stock.

Special Ward Shovel

made of the best crucible cast steel. This shovel is the best that we have been able to obtain at a medium price. If you have been buying a medium-priced shovel, why not try some of Lee T. Ward's shovels the next time you are in the market?

LEE T. WARD CO.

The following are some of the lines we carry which have not been illustrated in this catalog:

Evenrud Centrifugal Pumps

Capacity, 5,000 gallons per hour;
price, \$155.00 f. o. b. Philadelphia.

Suction Hose

3 and 4-inch sizes. New stock of splendid quality and priced very attractively.

Diaphragms for Bilge Pumps

3 and 4-inch sizes. In ordering kindly state make of pump.

Clamshell Buckets

For digging and handling material. Kindly advise us of your requirements and we shall send illustrated descriptive matter.

Road Graders

An extensive line from two-horse to heavy traction type.

WHEN we speak of rebuilt machines we are touching upon a rather delicate situation, and something we do not care to handle unless we are in a position to completely tear down and rebuild in our own shops. Then we know just what the equipment is and what it will do. Invariably we have on hand a large stock of equipment of this character, and if you are looking for equipment of this nature we shall be glad to hear from you.

We do not make a specialty of second hand equipment, but from time to time we have some exceptional bargains, and have been able to help contractors dispose of equipment they had no further use for.

LEE T. WARD CO.

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THE WARD LINE

KOEHRING CO.

Mixers and Pavers, Cranes, Bar Benders and Cutters, Finishing Machines.

JAEGER MACHINE CO.

Mixers, Pavers, Placing Plants.

C. H. & E. MFG. CO.

Saw Rigs, Pumps, Hoists, Mortar Mixers, Material Elevators.

INSLEY MFG. CO.

Steel Towers, Buckets, Hoppers, Derricks, Mast Hoist Plants.

AKRON-BARROW CO.

Wheel Barrows, Concrete Carts, Salamanders, Drag Scrapers.

WATSON PRODUCTS CO.

Dump Wagons, Ash Wagons.

IDEAL CONCRETE MACHINERY CO.

Block and Brick Machines, Tampers, Moulds, Pallets, Paddle Mixers.

BYERS MACHINE CO.

Truckranes, Auto Cranes, Full Revolve.

ERIE STEEL CONSTRUCTION CO.

Agrometer Plants and Steel Bins.

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Road Forms, Wall and Sewer Forms.

ZEISER FORM CO.

Side Walk, Curb and Gutter Forms.

HANDY SACK BALER CO.

Bag Cleaners and Bundlers

NATIONAL HOISTING ENGINE CO.

Steam, Gas, Electric Hoists, Pile Hammers.

UNIVERSAL FORM CLAMP CO.

Wall and Column Clamps, Wire Clamps.

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